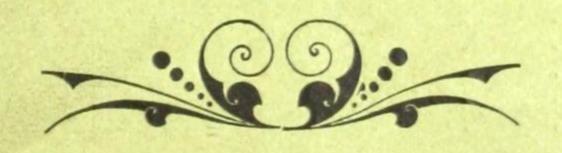
621,32

CATALOGUE No. 7...



# ELECTRIC LIGHT..... SUPPLIES

CR. Makin



Frank H. Stewart & Co.

35 NORTH SEVENTH STREET

PHILADELPHIA, PA.

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Girder, Socket, Insulators, Glass, Mica Strain	. 93 . 92 . 81 . 68 . 46	Voltmeters, Washers, Iron, Wattmeters, Wire, Guy, "Fishing.	

#### ... CONFIDENTIAL NET PRICES ...

Applying to this Catalogue will be furnished to the Trade, on request. While we are in position to furnish anything the Electrical Trade requires, we have illustrated only such goods as are in every-day demand.

We are always pleased to quote on new or improved goods that may be put upon the market as well as goods not listed herein.

Our Catalogue of Electric Bell and Gas Lighting Supplies will be mailed to those desiring it.

We make prompt shipments and aim to merit any confidence bestowed on us.

Frank H. Stewart & Co.

### ...NOTICE...

Parties unknown to us who desire to open monthly accounts are requested to send business references.

Please state how you want goods shipped.

Customers will confer a great favor in remitting by bank draft on Philadelphia or New York, or by postal money order,

Postage stamps will be gladly accepted in payment for small items less than one dollar. All prices and quotations are subject to change without notice.

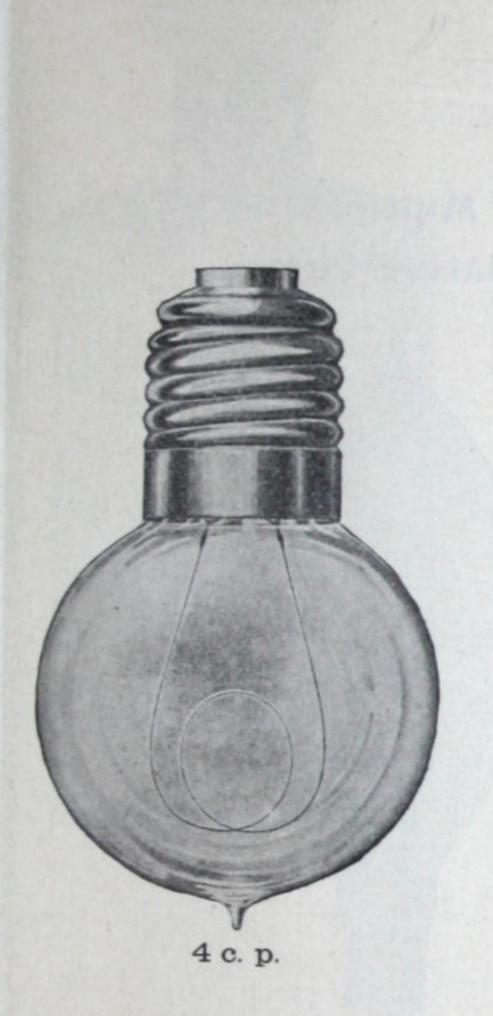
Currency should not be sent through the mails,

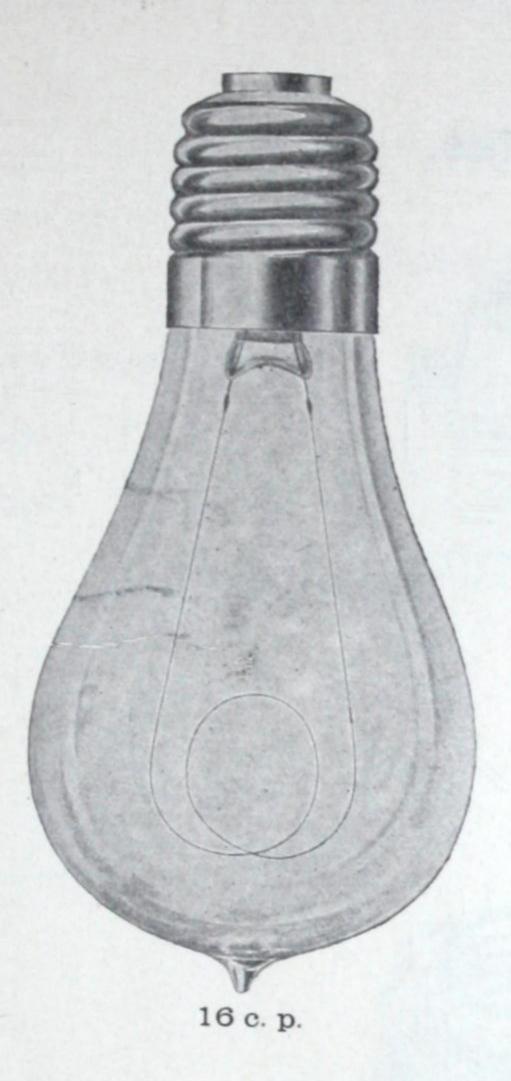
Frank H. Stewart & Co.

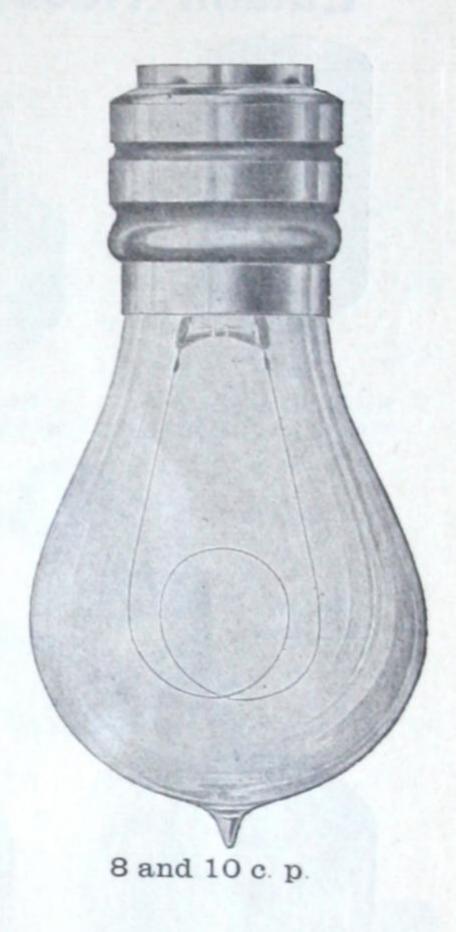
Long Distance Telephone

#### The Stewart Incandescent Lamp.

Every Lamp a Perfect Lamp. Any Voltage, Base and Candle Power.







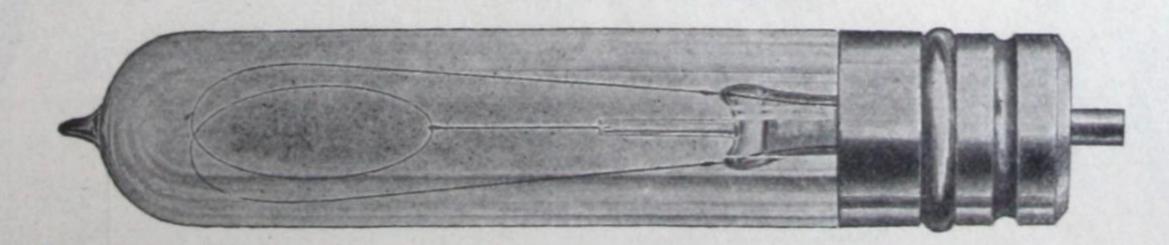
16 c. p. Special Lamps.

#### Edison, T. H. & West. Base.

Bunghole, each, .		\$0.50		Les	ss than 100	100 to 200	200 to 300
Dipped colored, .		.50	4 to 20 c. p.,		\$0.40	\$0.36	\$0.34
Natural colored glass,		.70	24 c. p., .		.50	.46	.45
Anchored filament, .		.40	32 "		.60	56	.55
220 volt lamps, .		.60	50 "		1.00		

Please specify Voltage, Candle Power and Base when ordering.

Bunghole.



Brush-Swan, United States, Mather or Perkins Bases are furnished at an additional cost.

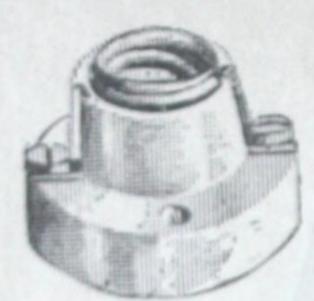
Shipments made from stock.

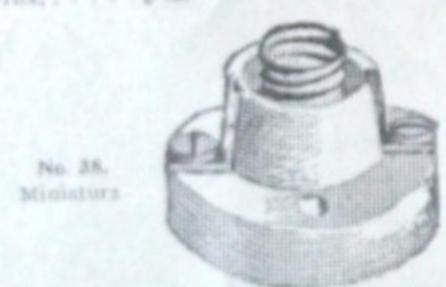
# Miniature Lamps and Receptacles.

# Edison Receptacles.



No. 36. Candelabra. Price, . . . 8 .20

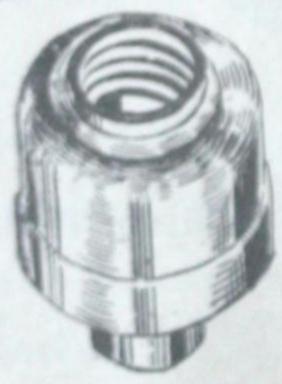




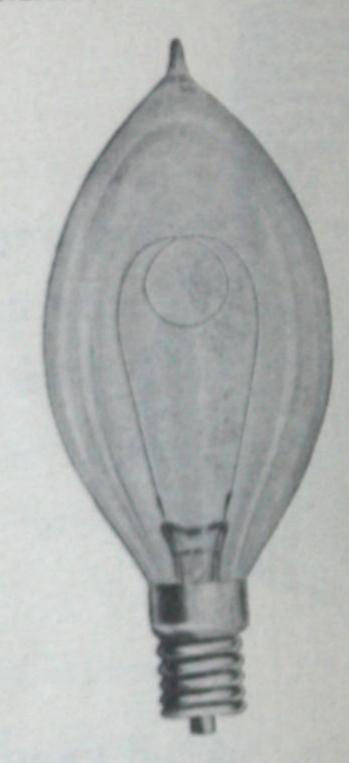
Price, . 8 .90



No. 30. Miniature. Pris standard gus threud. Price. 9 30



#### Multiple Miniature Lamps.



55 volts, Candelabra base, . . \$1 00 110 " " 100



#### Series Miniature Lamps.





#### Lamp Coloring.

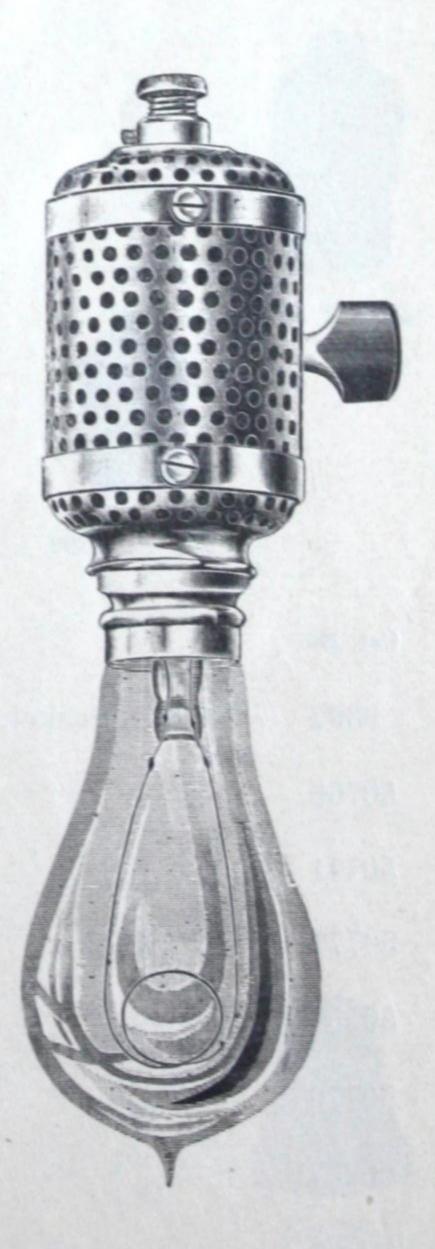
4 oz. Bottles,	-			\$0.75
6 oz. "				1,20
Pint "				2.00

Ruby, Frosting, Blue, Green, Canary, Orange, etc., etc.

#### Brunt's Regulating Socket.

For 16 c. p. Incandescent Lights. It is adapted to direct or alternating current; any voltage from 50 to 118.

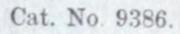
Price, each, . . . \$3.00



#### Edison Base Key Sockets.

(Fiber Lined.)







Cat. Nos. 50740.



Long Key.



Extension Key.

Cat. No.		Description.	Package	List
9386	Key S	Socket, or ½" pipe,	Quantity.	Price. \$0.33
50760	11	" " 3" "	. 250	.39
50740	"	" with removable ring, for ½" pipe,	. 500	.35
50762	u	" " " " " " " " " " " " " " " " " " " "	. 250	.41

# Edison Base Keyless Sockets.

(Fiber Lined.)



Cat. No. 9392.



Cat. No. 50741.



Cat. No. 50750.



Cat. No. 66237.

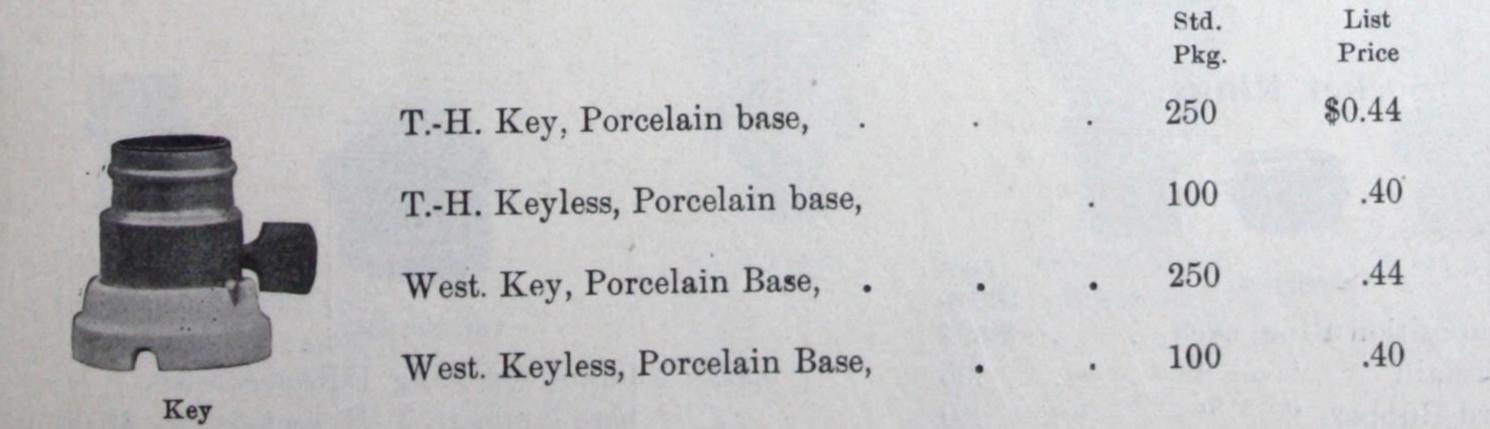
								Cat. 110. 00231.	
Cat. No.			D	escription.				Package	List
9392	Keyless	Socket	t, for ½" pipe,					Quantity.	Price.
50768	"	"	(1 3/1 (1			-		500	\$0.30
50741	ii.	"						250	.36
50771	"		with removable	ring, for ½"	pipe,			500	.32
		"	"	" " 3"	"			250	
50750	"	"	" acorn shell	, for ½" pipe,					.38
50770	"	"		" 3" "				250	,38
66237	"	"	for electrolier, fo					100	.44
50766		"	"					250	.40
			"	3// "				100	.46
									.10

#### T.=H. & West. Sockets.

(Fiber Lined.)

			Std. Pkg.	List Price	
	TH. Key, ½" cap, .		500	\$0.33	
	TH. Key, 3" cap, .		100	.39	
	TH. Keyless, ½" cap,		250	.30	
T. H. Key	TH. Keyless, 3'' cap,		100	.36	T. H. Keyless
			Std. Pkg.	List Price	
	West. Key, ½" cap, .		250	\$0.33	
	West. Key, 3" cap, .		100	.39	
	West. Keyless, ½" cap,		250	.30	
	West. Keyless, 3" cap,		100	.36	

#### T.-H. and West. Wall Sockets.



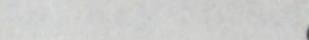
West. Key



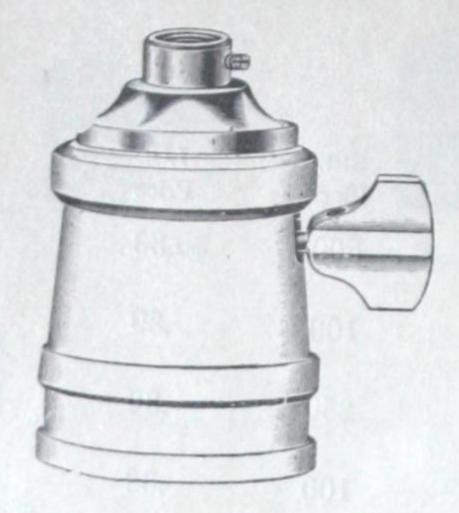
West. Keyless

Keyless

#### China Fixture Sockets.

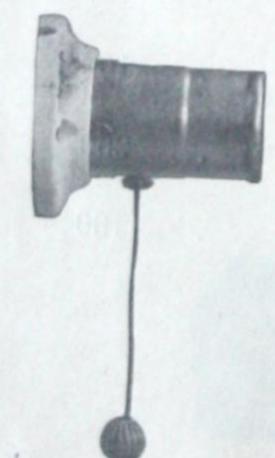


#### China Drop Sockets.



Von												
Key,				\$0.38	17							
Keyless,			450		Key,							\$0.33
Meyless,				.35	Varilan							40.00
					Keyless,						- 198	.30

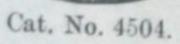




Edison, TH. or West. base, Pull Socket,	
Edison, TH. or West, base Pull Socket	\$0.65
Edison, TH. or West, base, Pull Well	.71
Socket,	.75

# Series Lamp Sockets. For Lamps with T.-H. Bases.







Cat. No	Description.	List Price.
4504	Series Socket for arc circuits up	,
	to 9.6. amps.,	. \$2.00
4505	Series socket for circuits of 7.5	42.00
	amps. or less,	. 1.50

# Socket Rings.



Cat. No.	Description.		List
50846 50866	Composition Ring, each,		Price. \$0.04
***	Hard Pall		.05
	mard Rubber " "		.10



Cat. No. 9357.

9357	Adapter for using Edison screw base lamps in TH. sockets, . &	0.00
	. Sockets, . Si	0.06

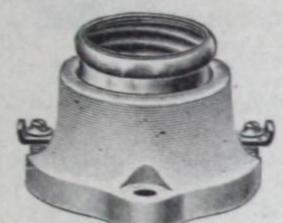
#### T.=H. and West. Receptacles.



#### Cleat Receptacles.



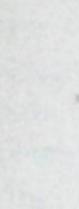
Std. Pkg.							List Price
500	TH. Base,						\$0.18
500	West. Base,						.18



#### Cleat Shade-Holder Receptacles.



250	TH. Base,						.25
250	Wost Rose						25



#### Special Concealed Keyless Receptacles.

250	TH. Base,	,					.25

West Base, 250

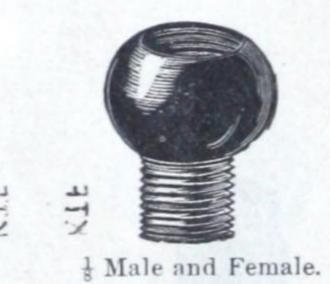
#### Socket Bushings.



Socket.

& Socket.





Metal Keinforced.

20/00	in.,	Socket,	per	100,				\$9.00
18	"	"	"	100,		-	,	2.00
18	"	Reinfor	ced,					12.00

Soft Rubber. 

1/8 Male and Female, per 100, . . 5.00

#### Brass Pocket Nipples.







Straight Nozzla



Straight. 45°	1 18	Angle.
., Straight, per 100,	,	
' Angle, 45°, each,		

le, 45°, each,			.2
Nozzle,			.20
t Angle,			.20

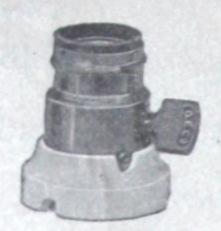
Angle Nozzle. \$6.00

Straight Nozzle. ½ x ½ in., Brass size, each,

Right Angle. \$0.20

### Edison Base Key Wall Sockets.

(Fiber Lined.)



No. 9184



No. 50747



No. 50748



No. 50753

Cat. No. 9184 50747 50748 50753	Description  Key receptacle with porcelain base,  Key receptacle with removable ring and porcelain base,  Key receptacle with removable ring, base concealed by shell,	Package Quantity 250 250	List Price \$0.44 .44 .44
50753	Key angle base receptacle with fiber lining,	100	.55

# Edison Base Keyless Wall Sockets.

(Fiber Lined.)



Cat. No. 9185



Cat. No. 50745



Cat. No. 50746



Cat. No. 50755

9185 50745 50746	Keyless receptacle with porcelain base, Keyless receptacle with removable ring and porcelain base, Keyless receptacle with removable ring and base concealed by shell.	Package Quantity 250 250	List Price \$0.40 .30
50755	Keyless angle base receptacle,	250	.40
		100	.50



Cat. No. 50785

50785	Keyless receptacle, large, with re-
50717	movable ring and concealed base, Keyless unlined receptacle for con-
	cealed or moulding work,

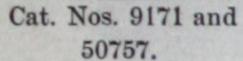
Package Quantity	List Price
100	\$0.45
250	.25



Cat. No. 50717

#### Edison Base Receptacles.







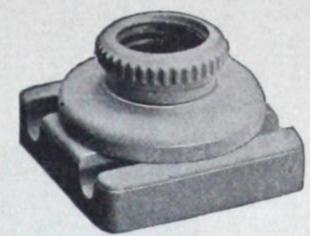
Cat. Nos. 9402 and 50715.



Cat. No. 9403.



Cat. No. 9394.



M I	TT	MA	MOO
Cat.	NO	211	189

907	01.		
Cat. No.	Description.	Package Quantity.	List Price.
9171	Keyless receptacle, porcelain with outside connections and center screw hole in base,	500	\$0.18
50757	Keyless receptacle, similar to No. 9171, except having copper screw		
	shell	250	.20
9402	Keyless receptacle, porcelain with outside connections (base		
	diameter $2\frac{5}{16}''$ ),	500	.18
50715	Keyless receptacle, porcelain with outside connections (base		
	diameter 2"),	500	.18
9403	Keyless receptacle, porcelain with outside connections and adapted		
	for shade holder,	250	.25
9394	Keyless receptacle, porcelain with outside connection, with remov-		
	able ring; without shade holder,	250	.20
50789	Keyless receptacle, porcelain ring and base, for moulding work.		
	Will take shade holder,	100	.40



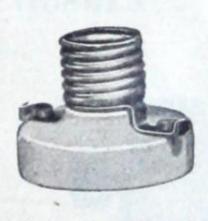
Cat. No. 9514.



Cat. No. 9397.



Cat. No. 9396.



Cat. No. 50716.



Cat. No. 50744.

Cat. No.	Description.	Package Quantity.	List Price.
9514	Keyless porcelain flush pocket receptacle,		\$0.30
9397	" interior conduit receptacle,	250	.20
9396	" receptacle, porcelain, combination for cleat or concealed		
	work,	250	.40
50716	Keyless porcelain receptacle for temporary work,	500	.18
50744	" receptacle, for concealed work, with porcelain shell and	The present of	
	removable ring. Will take shade holder,	100	.30
50782	Kevless receptacle for sign work,	250	.30



Cat. No. 9401.



Cat. No. 9447.

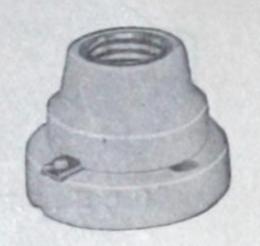


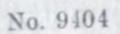
Cat. No. 50752.

	Cat. No. 9401.		Cat. 110. 011	o a	. 110. 00102.	
Cat. No. 9401	Keyless receptacle, p	Description porcelain, with		,	Package Quantity. 100	List Price. \$0.40
9447	shade holder,			use. Will take	100	.45
50752	Keyless receptacle, pole fuse, .	porcelain, for cl	eat or conceale	d work, double-	100	.45

# EDISON BASE FUSIBLE RECEPTACLES

Rosette Base.







Shade Holder



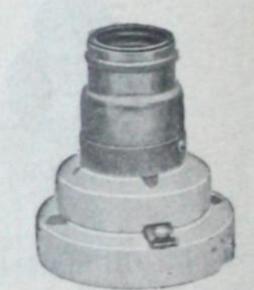
Angle

	Rosette Base F	tecep	tacles	3.			Package Quantity	List Price
Cat. No.	Description						50	\$0.40
9404	Keyless receptacle, for concealed work,						50	.40
9434	Keyless receptacle, for cleat work,			and the			50	.40
9435	Wowless recentacle, for moulding work,							
	Rosette Base Shade F	Holder	Rec	eptac	les.		50	\$0.50
9405	Keyless receptacle, for concealed work,						50	.50
9436	Keyless receptacle, for cleat work,			1			50	.50
9437	Keyless receptacle, for moulding work,						00	
0101	Rosette Base Ang	gle Re	ecepta	acles.			-0	\$0.80
9406	Keyless receptacle, for concealed work,						50	
9438	Keyless receptacle, for cleat work,						50	.80
9439	Keyless receptacle, for moulding work,	T.				100	50	.80

## Edison Base Fusible Wall Sockets.

Rosette Base.





Cat. No.	Description	n			Package Quantity	List Price \$0.60
50729	Key receptacle, for concealed work,				100	
50730	Key receptacle, for cleat work,	Brook.			100	.60
					100	.60
50731	Key receptacle, for moulding work, .	1	*			.55
50732	Keyless receptacle, for concealed work,	Dia.			50	
50733	Keyless receptacle, for cleat work,				50	.55
50734	Kevless receptacle, for moulding work,				50	.55

#### Large Base Receptacles.

Lined for 220 Volts.



Cat. No. 50783

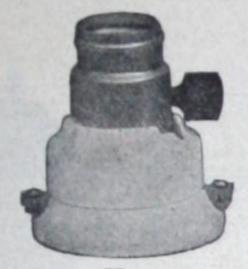


Cat. No. 50784

Cat. No.	Description			Package Quantity	List Price
50783	Key receptacle with double-pole fuse,			250	\$0.60
50784	Keyless receptacle with double-pole fuse,			250	.55

#### T.=H. and West. Fusible Wall Sockets

(Rosette Base)





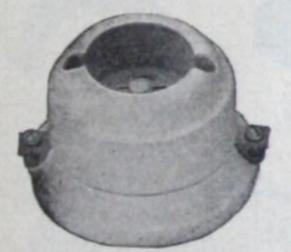
Ker	
KAT	
TYC	

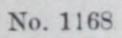
-	-	-		
14	01	. 1	α.	30
17	e	1 14	0	22

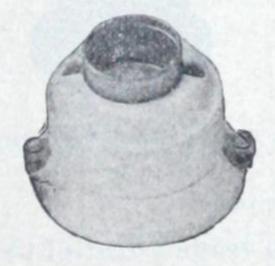
							S	td. Pkg.	List Price
TH. concealed base, key, .						Marie A		100	\$0.60
TH. cleat base, key,								100	.60
								100	.60
TH. moulding base, key, .					الانتا			50	.54
TH. concealed base, keyless,								50	.54
TH. cleat base, keyless, .								50	.54
TH. moulding base, keyless,								100	.60
West. key, concealed base								100	.60
West. key, cleat base, .								100	.60
West. key, moulding base, .	Ser Di						100		
West. keyless, concealed base,								50	.54
West. keyless, cleat base, .								50	.54
West. keyless, moulding base,			4.1					50	.54

#### T.=H. and West. Base Fusible Receptacles.

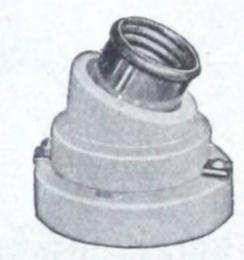
(Rosette Base)







No. 1164

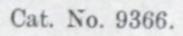


No. 959

		D.	osette	Ragi	e Rec	entac	les					
Tink No.		Iv	osette	Das	2 1000	Сриис	100.				Std. Pkg.	List Price
List No.	TH. base, concealed work,								White St		50	\$0.40
927	TH. base, conceated work,										50	.40
1168	TH. base, cleat work, .										50	.40
1169	T-H. base, moulding work,										50	.40
928	West. base, concealed work,		644						-		50	.40
1170	West. base, cleat work,										50	.40
1171	West. base, moulding work,			•							00	.10
	Doo	atta i	Base 8	Shad	e-Hol	der R	ecent	tacles				
	Ros	elle.	base i	Shau	0-1101	dor 1	ф					
1012	TH. base, concealed work,										50	.50
1164	TH. base, cleat work, .										50	.50
1165	TH. base, moulding work,	1.									50	.50
949	West. base, concealed work,										50	.50
1166	West. base, cleat work,										50	.50
1167	West. base, moulding work,										50	.50
1101	West. base, mounding word,											
	Rosette	e Bas	e Sha	de-H	older	Ang	le Re	cepta	cles.			
											50	.80
959	TH. base, concealed work,		50,511						Mar.		50	.80
1172	TH. base, cleat work,										50	.80
1173	TH. base, moulding work,										50	.80
960	West. base, concealed work,	9.									50	.80
1174	West. base, cleat work,										- 50	.80
1175	West. base, moulding work,										00	.00

# Edison Base Weatherproof Pockets and Receptacles.







Cat. No. 60666.



13.4	**		×
1 754 T	No	944	м

Cat. No. 9366	Description.				Package Quantity.	List Price.
60666	Porcelain weatherproof socket,  Moulded material,				250	\$0.35
9448					250	.60
9496	Weatherproof bracket socket, for 1" pipe,				100	.60
9399	Soft rubber ring for weathern c				100	.60
	Soft rubber ring for weatherproof sockets, unless ordered, per 100,		sock	ets		
		rick!				3.50



Cat. No. 9407.



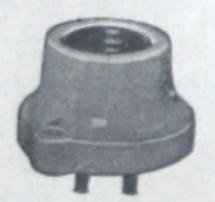
Cat. No. 9408.



Cat. No. 9411.

Cat. No.							Cat. No. 9411.	
9407 9408 9411	Porcelain "	weather " "	receptacle	Descript with "	leads	parallel to base, perpendicular to base,	Package Quantity. 100 100	List Price. \$0 40 .40
	lugs fo	r base sc	rews, .			and and	100	.35

# T.=H. and West. Weatherproof Receptacles.



No. 314.



No. 318.

Cat. No.		N	0. 318		
314	Receptacles with bottom wires, TH. base,			Standard Package.	List Price.
315	" " " West "			100	\$0.35
316 317	Extra heavy porcelain with bottom wires, TH. base,			100	.35
318	11 (1 117			100	.40
319	Receptacles with side wires, TII. base,			100	.40
	West. "			100	.40

#### T.-H. and West. Weatherproof Pockets.

Pendant Weatherproof Sockets.



Pendant

						Std. Pkg.	List Price
TH. base,						200	\$0.35
West. "						200	.35
	Br	acket	Weat	herpro	oof So	ocket.	
TH. base,	1"	cap,				100	\$0.60
ТН. "	3//8	**				100	.60



.60

.60

Bracket

#### Deep Grooved Petticoat.

West. " 1" " . . . .

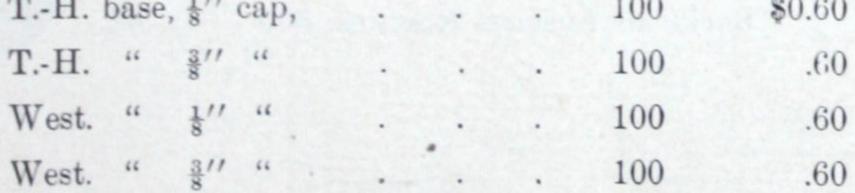
West. " 3" "

Pendant Weatherproof Sockets.



Pendant

TH. base,						200	\$0.35
West. "						200	.35
	Brac	ket V	Weatl	nerpro	oof So	ocket.	
TH. base,	1" ca	p,				100	\$0.60





Bracket

#### Johns Mica Sockets.

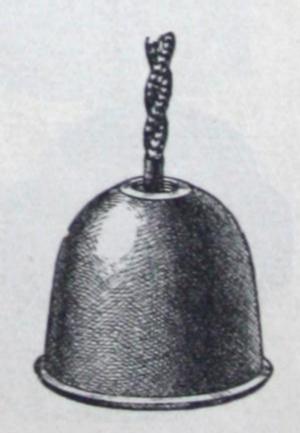
Not recommended for temperature greater than 125° F.

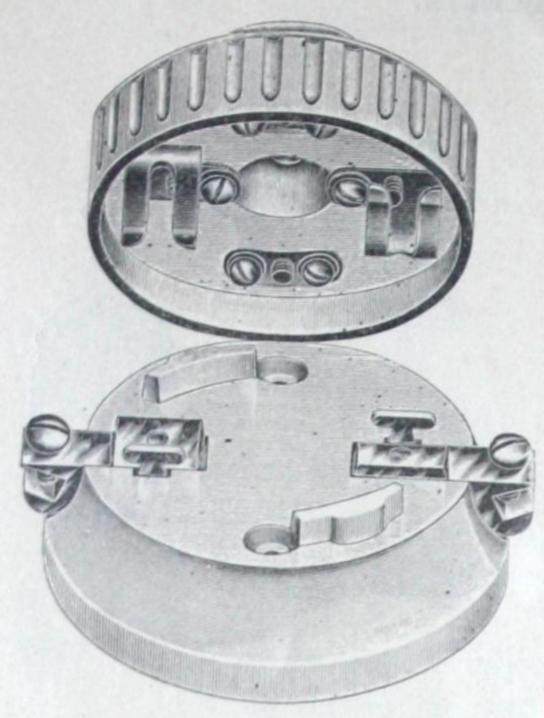


		V	Veath	erpro	of.		
ТН.,							\$0.5
West.,							.5
Edison.							.5

#### Bracket Weatherproof.

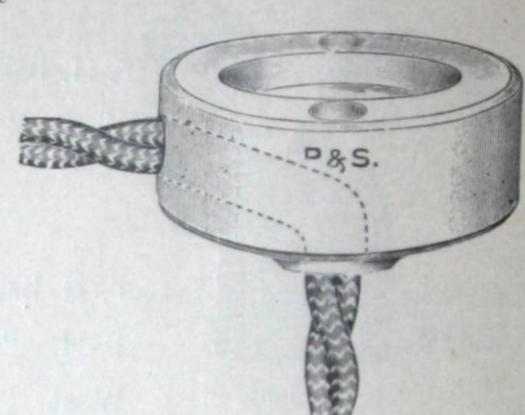
ТН.,					\$0.75
West.,			1		.75
Edison,					.75





#### P.=T. Rosettes.

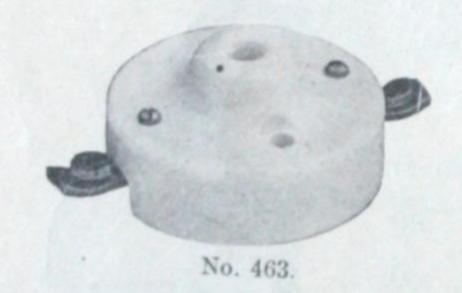
		List Price
Cleat, .		\$0 26
Concealed,		.26
Moulding,		.26



### Ceiling Buttons.

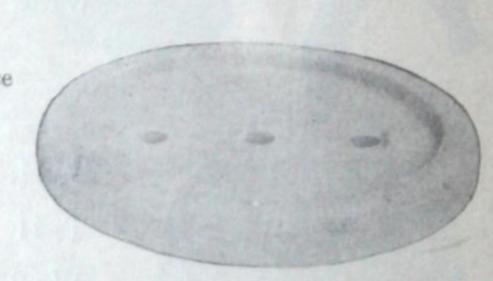
			List Price
Each,			\$0.08

### Fuseless Rosettes.



Cat No.

873 For concealed work,



Std. Pkg. List Price

# Bracket Rosettes.

## K. W. with Brass Face Plate.



1176	For cleat work				100	\$0.36
	For cleat work, . For moulding work,				100	.36
	or mounding work,				100	.36
	P. K., with	Bra	ass N	ipple.		
813	For cleat work, .					
814	For concealed work,				100	.36
815	Fer moulding work,				100	.36
	mounting work,				100	.36



#### P. K. Rosettes.

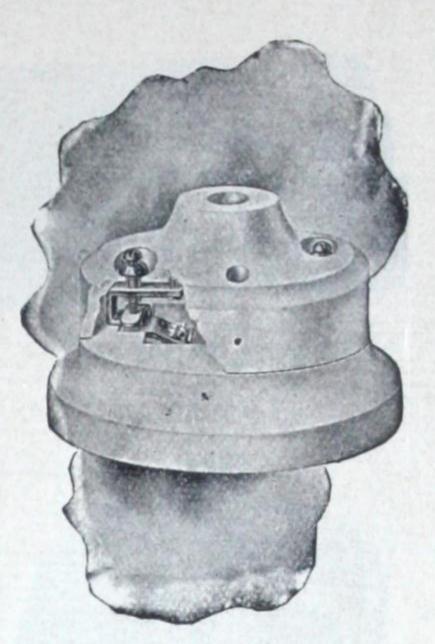
Many prefer rosettes with the cap attached firmly to base with screws, such as the K. W. Others desire rosettes with caps which are more readily attached to the base by a quarter turn, and locked by spring contact-arms.

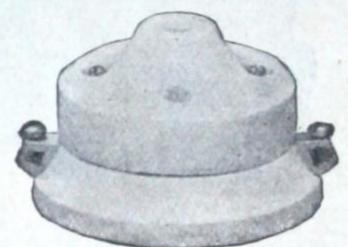
The P. K. Rosette has all the advantages of both of the above styles. A quarter turn of the cap attaches it to the base by means of extra strong spring contact-arms, which lock the cap sufficiently for general work. Where rosettes are subject to vibrations, the lock-screws in the cap may be readily tightened, so that the contact-arm connection is practically one piece.

We recommend this rosette.

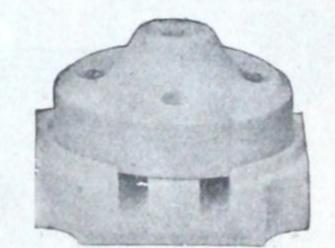
#### P. K. ROSETTES.

-Cat. No			Std. Pkg.	List Price	
810	For cleat work, solid cast lugs,		250	\$0.26	
811	For concealed work,		250	.26	
-812	For moulding work,		250	.26	

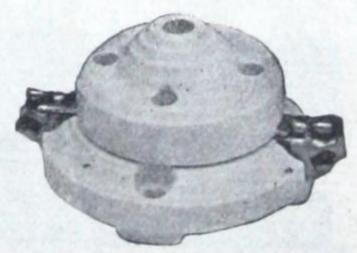




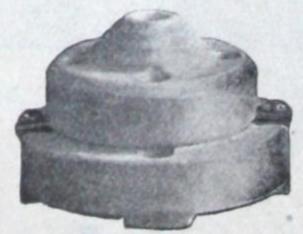
No. 810.



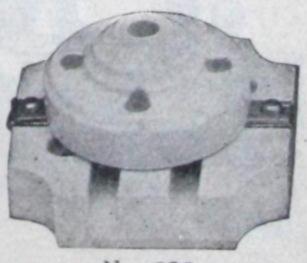
No. 812.



No. 950



No 871.

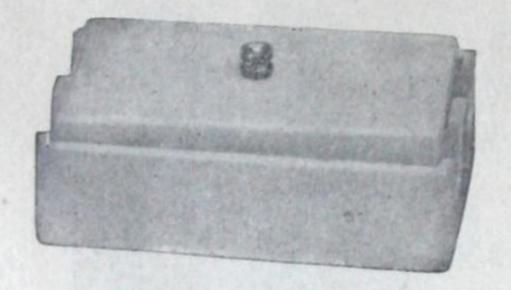


No. 926.

#### K. W. Rosettes.

Cat. No			Std. Pkg.	List Price
950	Cleat, with stamped side pieces,		250	\$0.28
870	Cleat, with cast side pieces,		250	.29
871	Concealed work,		. 250	.28
872	Combination of moulding or concealed v	vork,	250	.28
926	Moulding work,		250	.28

#### S. M. Main Cut-Outs.



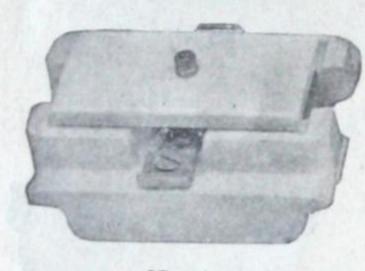
No. 454.

#### COVERED MAINS.

Cat. No						Std. Pkg.	List Price
454	15	amp.	Covered	Mains,		250	\$0,24
455	25	"	. "	"		250	.38
456	-50	u	"	**	are in	100	.80
457	100	"	u	"		50	1.30

#### S. M. Branch Cut=Outs.

#### COVERED BRANCHES.



No. 458.

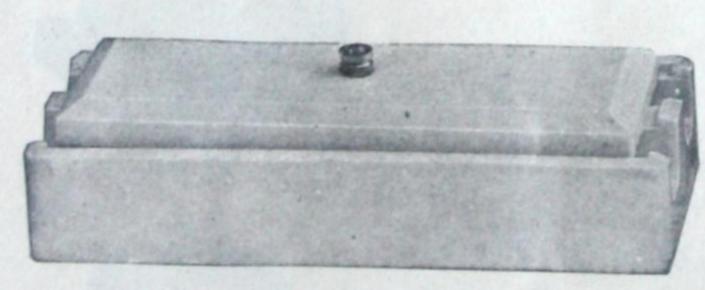
O-4 N-						~ ~	
Cat. No						Std. Pkg.	List Price
458	15	amp.	Covered	Branches,		250	\$0.24
459	25	"	u	"		250	.38
460	50	"	"	"		50	1.00
421	100	"	"	"		25	1.30

No. 426.

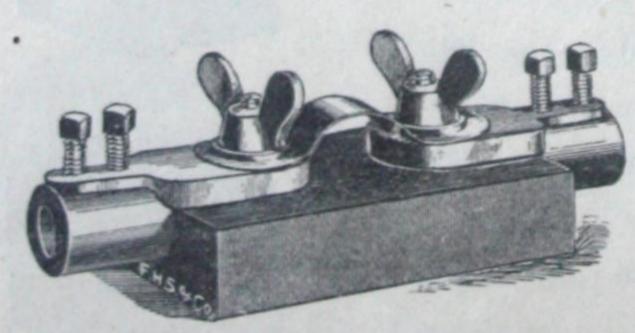
#### 500-Volt Railway Cut-Outs.

#### SINGLE POLE.

Cat. No	0.				Std. Pkg.	List Price.
425	25	amp.	Cut-Outs,		100	\$0.50
426	100	"	"		25	1.20
427	150	"	"		10	2.40
			DOUBLI	E POLE		
428	10	amp.	Cut-Outs,		100	.40



No. 428.



V-64.

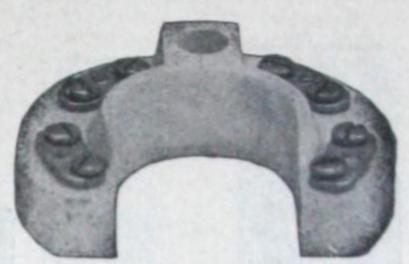
V=64 Cut=Out.

 Edison Link Cut Cutsoner

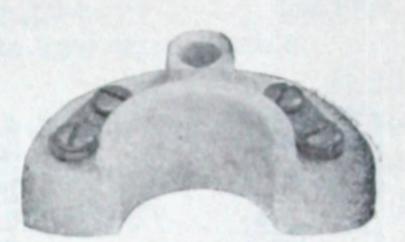
#### Fixture Cut=Outs.

#### HORSESHOE CUT-OUT.

Cat. No.		Std. Pkg.	Price List.
467	Large size, Double Pole Horseshoe, .	250	\$0.18
468	Small " " " "	250	.16
469	Small Single Pole Horseshoe,	100	.10



No. 467.



No. 469.

#### FIXTURE CUT-OUTS.

	FIAI	Old Col	-0010				
Cat. No					Std. Pkg.	List Price.	
470	Quadrant Fixture Cut-	-out, .		-	100	\$0.10	No. 470.
471	Straight " "				100	.10	

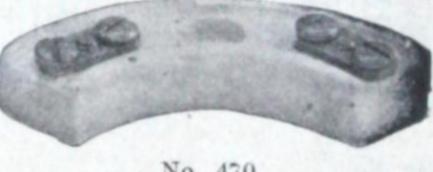
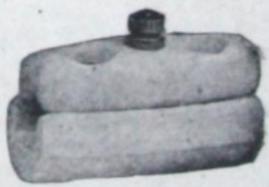
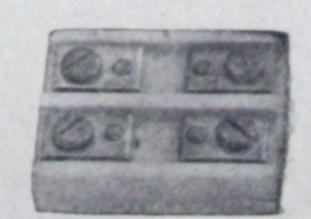


Fig. 471.

Cat. No						Std. Pkg.	List Price.
466	S. P. Covered	l Bug,				250	\$0.18
473	" Open	"		tat)		100	.10
472	D. P. "	"				100	.10



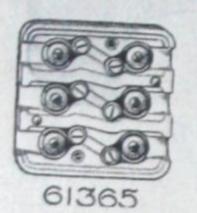
No. 466.



No. 472.

#### Edison Link Cut=Outs.

Mica Covered.



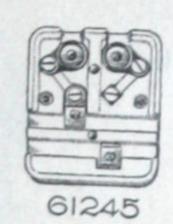


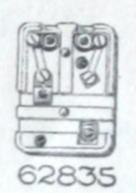


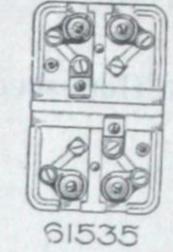


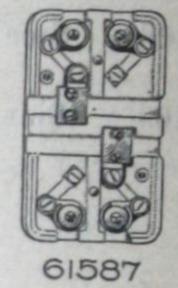


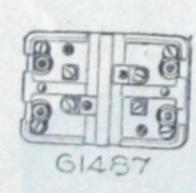


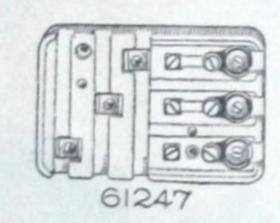


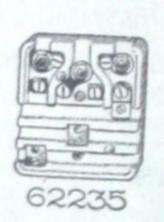












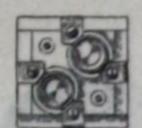
61235

TOTAL STATE	- 2 0 T
0	91500

Cat. No								Desc	ription.						
61465	Double	Po	le, Main	, 30	Amp	).,		27000	. iperon.						List Price.
61565		"		75	**										\$0.65
61265	Three	"	"	30	"									1	1.30
61365	"	"		75	"										1.00
62835	Double	Pol	le, Single	e Br	anch	, 30	Amp.								2.15
61245	"	44	"		41	75	"								1.00
61243	"	"	"		**	75	**								1.85
61569			, Main,												2.30
61487	Double	Pol	e, Doubl	le B	ranch	1, 30	Amp.	, .							.70
61587	" .	"	**		11	75									1.65
61535	. "	"	**		"	75									4.10
61299	Three P	ole,	2-wire,	Don	ble E	Bran	ch, 30	Am	D.,						3.00
61235	"	"	Double	Bra	nch,	30 A	mp.,								1.85
62235	" ,		Single I												2.40
61247	" '		**	**		75	"								1.50
												- dalla	1000		3.20

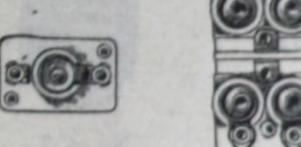
# Paiste=Edison Cut-Outs.

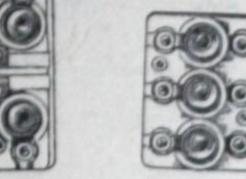
O-1 N	Luis	on	Cut.	Out	S.			
Cat. No.  1465 Double Pole, 30 Amp., Main,	Descr	iption.						
1565 " " 75 " "								List Price.
								\$0.60
30 Amp., Single Branch,								.90
1487 " 30 " Double "								
								.70
						*		1.00

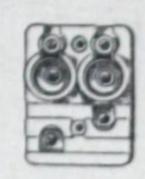


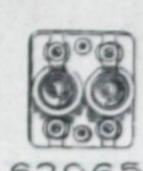
#### Edison Plug Cut-Outs.

8020



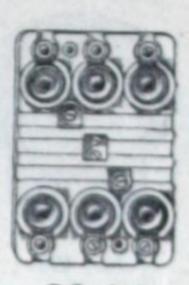












62569

62587

62165

61935

62965

8042

62199

62135

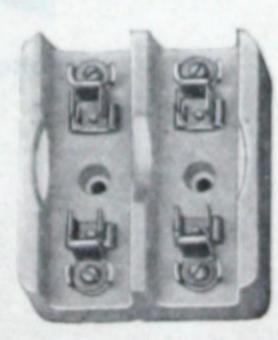
Cat. No.	Description.	Lis	st Price.	Cat. No.	Description. Lis	st Price.
61935	Double pole, single branch,		\$0.60	62199	Three pole to two wire, double	
62165	Three pole, main,		.80		branch,	\$1.25
62965	Double pole, main,		.50	62135	Three pole to double branch,	1.50
62569	Single pole, main,		.30		Three pole, single branch, .	.90
62587	Double pole, double branch,		1.10		Double pole, cross over,	.60

#### Fuse Plugs.

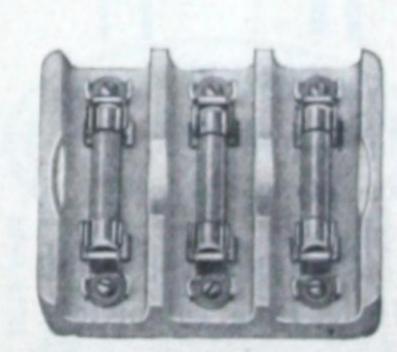
	Descrip	otion.	Lis	t Price.			1	Descrip	tion.	List	Price.
3 Ampere,			each,	\$0.10	15	Ampere,					\$0.10
6 "			"	.10	20	"					.10
10 "			"	.10	25					"	.10
12 "			"	.10	30	14				- 16	.10

#### Cartridge Cut-Outs for 250 Volt Circuits

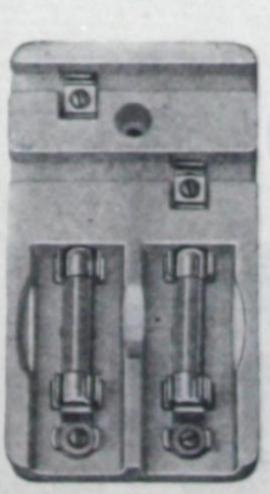
Cat. No	Description.	Price List.
9551	Double-pole main line cut-out,	\$0.70
9552	Triple-pole " " "	.85
9553	Double-pole single-branch cut-	1.00
9554	Triple-pole single branch cut- out,	1.50
3, 6, 10	0, 15, 20, 25, 30 Amp, cartridge fuses, each,	.20



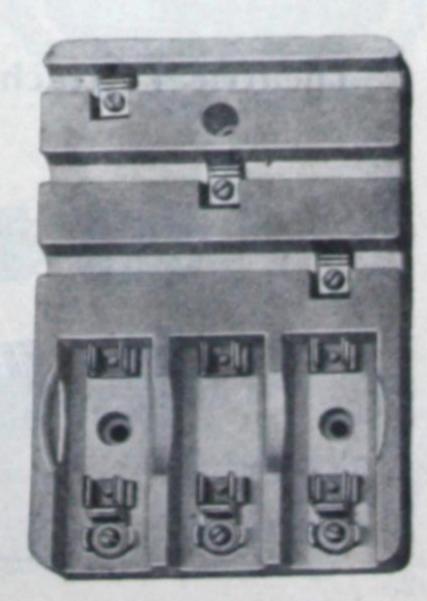
Cat. No. 9551.



Cat. No. 9552.

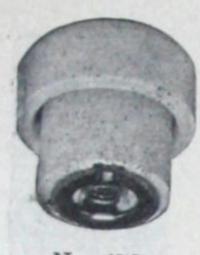


Cat. No. 9553.



Cat. No. 9554.

#### Porcelain Attachment Plugs



No. 478.

Cat. N	o.			Std. Pkg.	List Price
477	Edison base,	× .		250	\$0.22
478	TH. base,			250	.22
479	West. base,			250	.22



#### Metal Cover Attachment Plugs



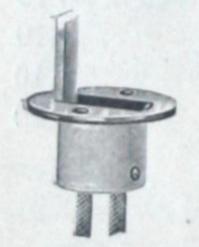
No. 474.

Cat. No	0.				Std. Pkg.	List Price
474	Edison base,	5,10		100	250	\$0.22
475	TH. base,	aga		9	250	.22
476	West. base,				250	.22



No. 476.

# Chapman and Midget Floor Plugs



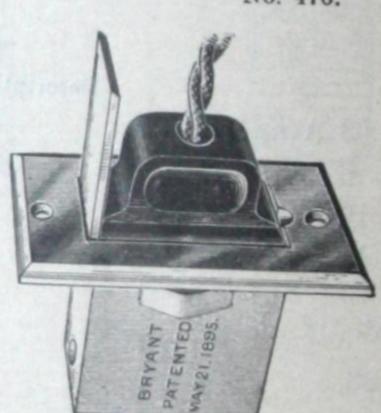
Plug, only,



Midget Plug.

-	
T	T

Bracket Plug.



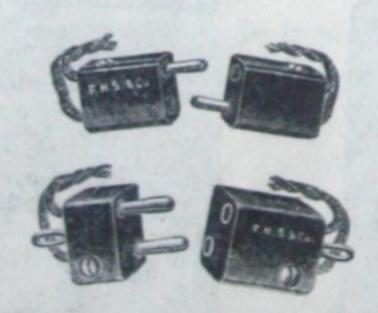
\$1.34
1.60
2.90
2.66
1.50

# Theatrical Attachment Plugs

Receptacle, only, with lid,

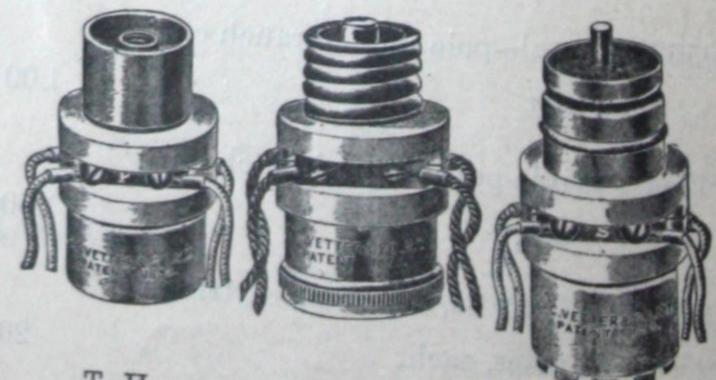
Bracket Plug, only, . . . .

Midget Plug, complete, . . . .



10	Amp.,	D.	P.,	
-				

# Vetter Current Taps



T.-H.

Edison.

West.

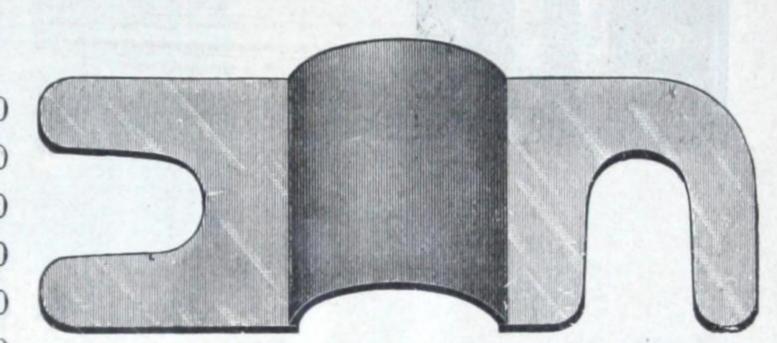
Made in parallel and series, price, each, \$1.00

#### Round Fuse Links

1	to	15	Amp.,	per 100,	M pri			\$3.00	4	
15	"	50	"	"				4.00		
50	"	100	"	"				5.00		N V

#### Flat Fuse Links

50 to	100 A	mp., p	er 100					\$10.00
100 "	250	"	"					16.00
250 "	400	"	"					20.00
400 "	600	"	"					24.00
600 "	800	"	"-	STATE OF	100	7.4	053.	60.00
800 "	1000	"	"					90.00

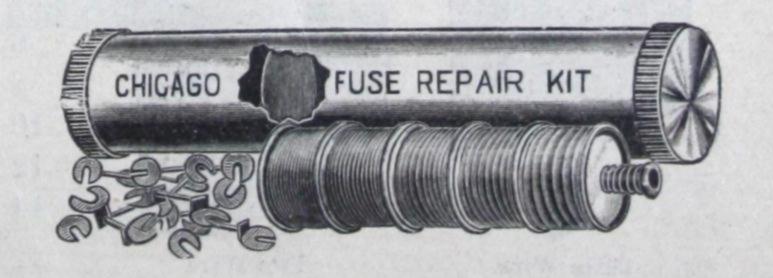


					1	Fuse	W	ire				-600 A	RRANTED GOD
1	to	5	Amp.	, per lb.,	alds.	[ ·n)					\$0.80	13	SE WITTE
5	"	10	"	"							.75	MARK	TERED CONTRACTOR
10	"	35	"	"							.70	TRADE	REGIS
35	"	60	"	"							.60		
60	"	100	"	"			S. A.	4			.50		

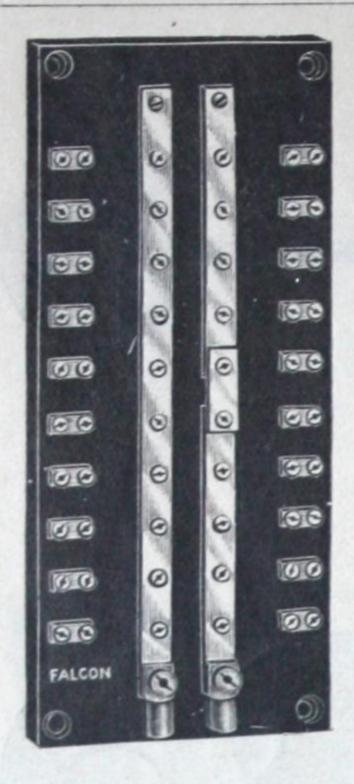
#### Fuse Repair Kit

Size  $1\frac{1}{4} \times 7$  in. long.

Complete with five sizes of fuse and assortment . \$2.00 of links, .



2 Circuits, .



# No. 5550. For Two Wire Systems

Plain, per circuit, .					\$1.00
Polished, per circuit, .					1.25

#### No. 6660. For Two Wire Systems



Plain, per circuit,					\$0.80
Polished, per circuit,					1.00

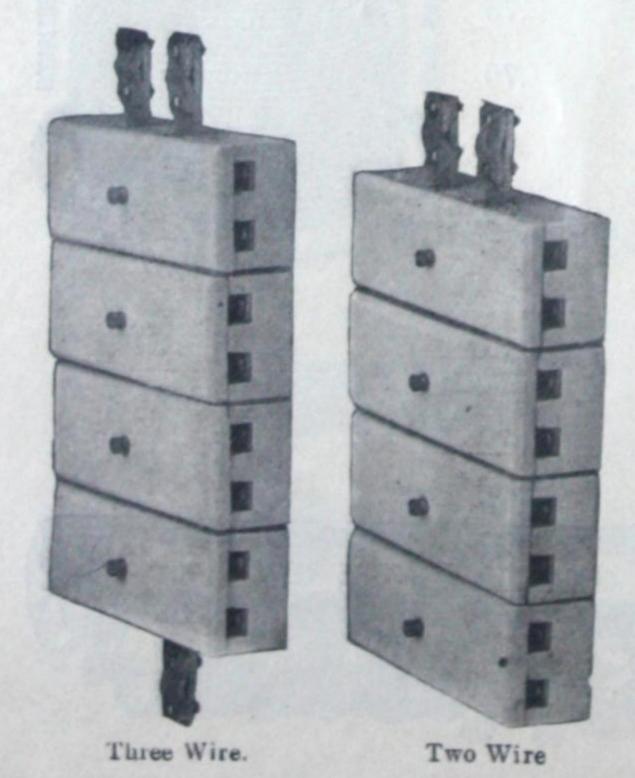
#### Porcelain Tablet Boards

TWO WIRE

List Price

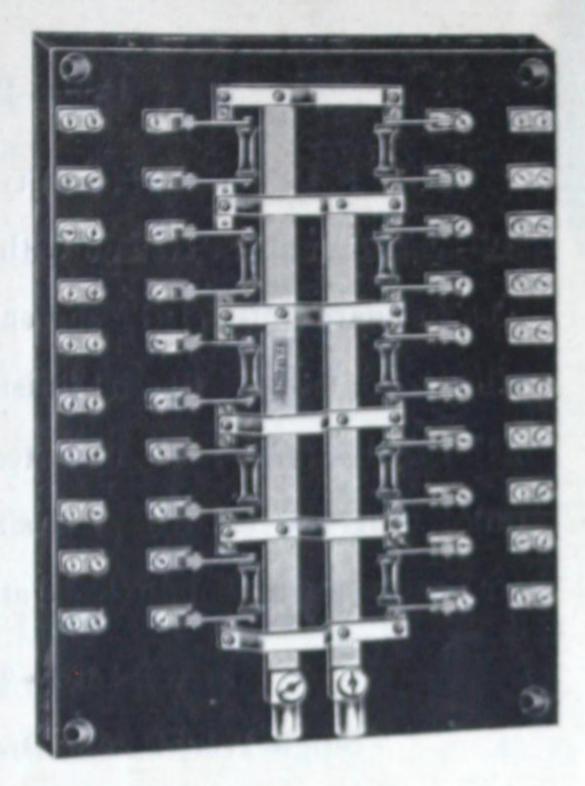
\$1.20

2.40

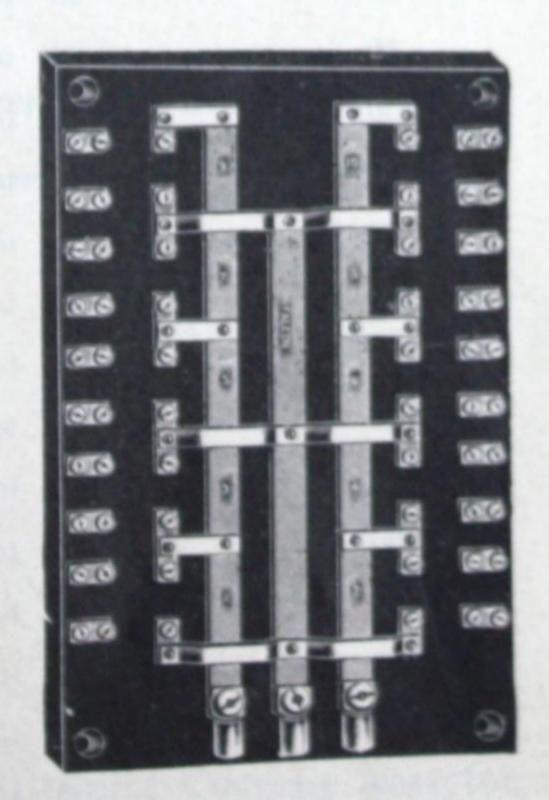


0									3.60
8	"								4.80
10	"								
12									6.00
14	"					7			7.20
				*					8.40
				THR	EE W	VIRE			
2	Circuits,								
4	"						3		1.40
6	"								2.80
	"			1.18	1000				4.20
8									5.60
10	"			2000					
12	44						*		7.00
14	"	T. Day		1900	eta la		2		8.40
									9.80
		Sta	andar	d pac	kage	100	circu	ite	
					0			100.	

#### Panel Boards



Cat. No.		Description.				Li	st Price.
	For two-wire systems, with switches,	plain, .				per circuit,	\$1.50
		polished,				-11	1.80
	For three-wire systems, with switches	s, plain,					1.65
2230		polished,				11	2.00



	Desc	ription				Li	st Price.
Cat. No 3330	For two wire systems, no switches, plain,					per circuit.	\$1.25 1.50
3330	m " polished						1.35
4440	For three-wire systems, no switches, plain, polish	ed,					1.65

# Automatic Electric Circuit Breakers

25 to 600 Volts. 10 to 200 Amp.

25 to 600 Volts. 300 to 1200 Amp.

#### Type "S. B."

The "S. B." (switch-board) type, are furnished with concealed coil on the smaller sizes and with exposed coil on the larger sizes. The standard finish of the current carrying parts is copper and all other parts bronze. Special finishes will be furnished when desired. All circuit breakers are mounted on black enameled slate bases unless otherwise ordered. All sizes of 300 amperes and upwards are equipped with hand release attachments.

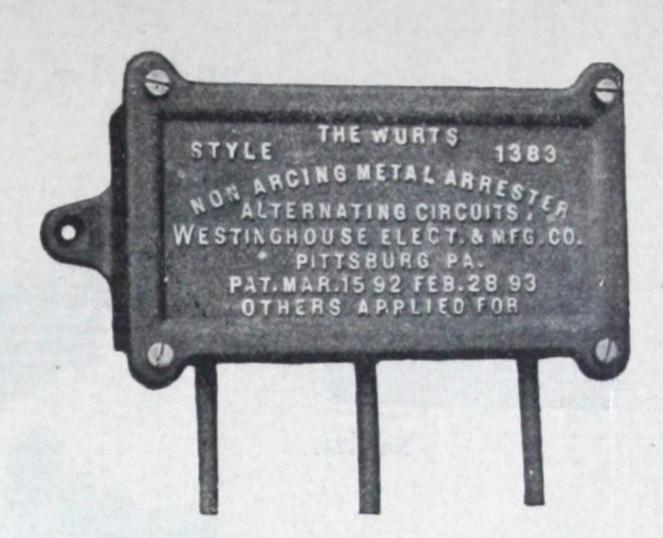
# PRICE-LIST-TYPE "S. B." Single Pole, Double Break, for Direct Current.

Capacity in Amperes for Continuous load	Range of Am		ment	List Price
10	8	to	15	\$24.00
20	15	to	30	24.00
30	25	to	45	24.00
40	30	to	60	24.00
50	40	to	75	24.00
60	45	to	90	33.00
70	55	to	105	36.00
80	60	to	120	36.00
100	75	to	150	42.00
150	110	to	225	42.00
200	150	to	300	45.00
300	225	to	450	52.50
400	300	to	600	68.00
500	375	to	750	71.50
600	450	to	900	73.50
800	700	to	1200	98.00
1000	800	to	1500	112.50
1200	1000	to	1800	125,00

For mounting on marble bases, add 5 per cent. to list prices.

## Wurts' Lightning Arresters

(Alternating Current.)



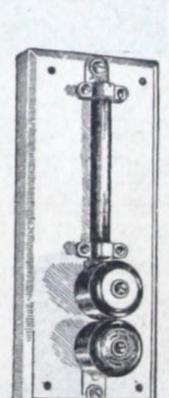
#### Wurts' Railway Lightning Arrester

(Direct Current.)



#### G. E. Alternating Station Type

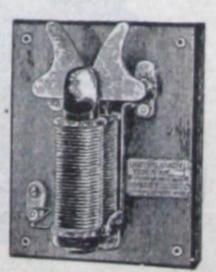
Cat. No.		Description.											List Price.	
3400	1000	volts	, S. P. A	rrester,									\$10.00	
3406	1000	"	D, P.	"			Est				nervie		10.00	
3401	2000	"	S. P.	6.									10.00	
3404	2000	"	D. P.	"									15.00	



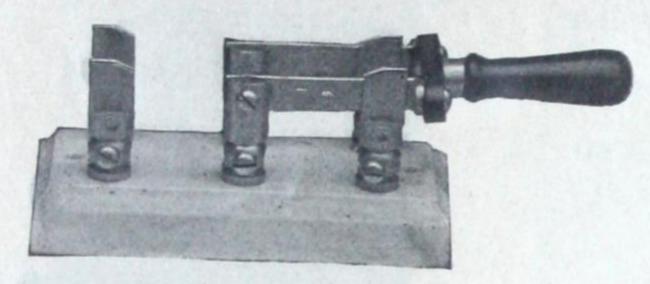
#### Type B-G. E. Direct Current Arrester

(For Indoor Use.)

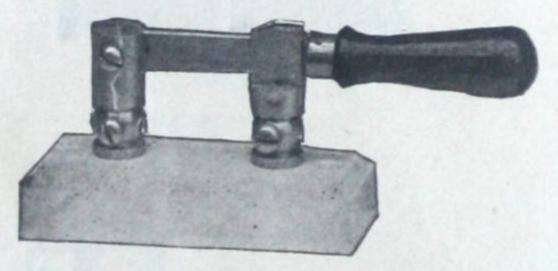
Cat. No.		Des	criptio	n.			List Price.
4978	For 300 volts and less, .			115.16			\$10.00



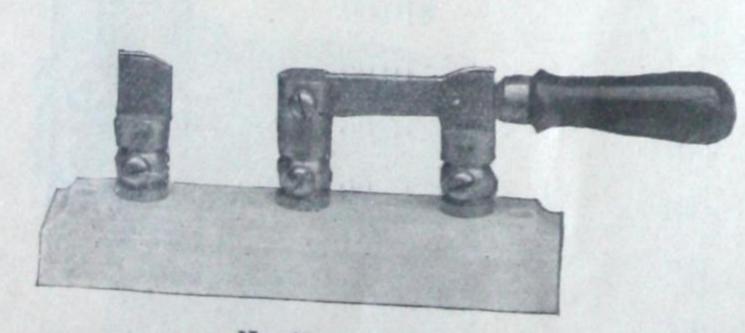
No. 424.



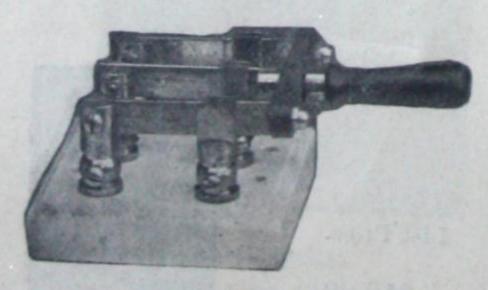
No. 411.



No. 416.



No. 422.



No. 413.

#### Baby Knife Switches

#### D. P. S. T. PORCELAIN BASE.

Cat. No	).			Std. Pkg.	List Price
424	15	amp. ]	D. P. S. T.,	250	\$0.42
410	25	"	"	250	.50

#### D. P. D. T. PORCELAIN BASE.

411	15 amp.	D. P. D. T.,		100	.74
412	25 "	**	163	100	.90

#### S. P. S. T. PORCELAIN BASE.

416	15	amp.	S. P. S. T.,	100	.34
417	25	"	"	100	.44

#### S. P. D. T. PORCELAIN BASE

422	15	amp. 8	S. P. D. T.,	 100	.60
423	25	"		100	.74

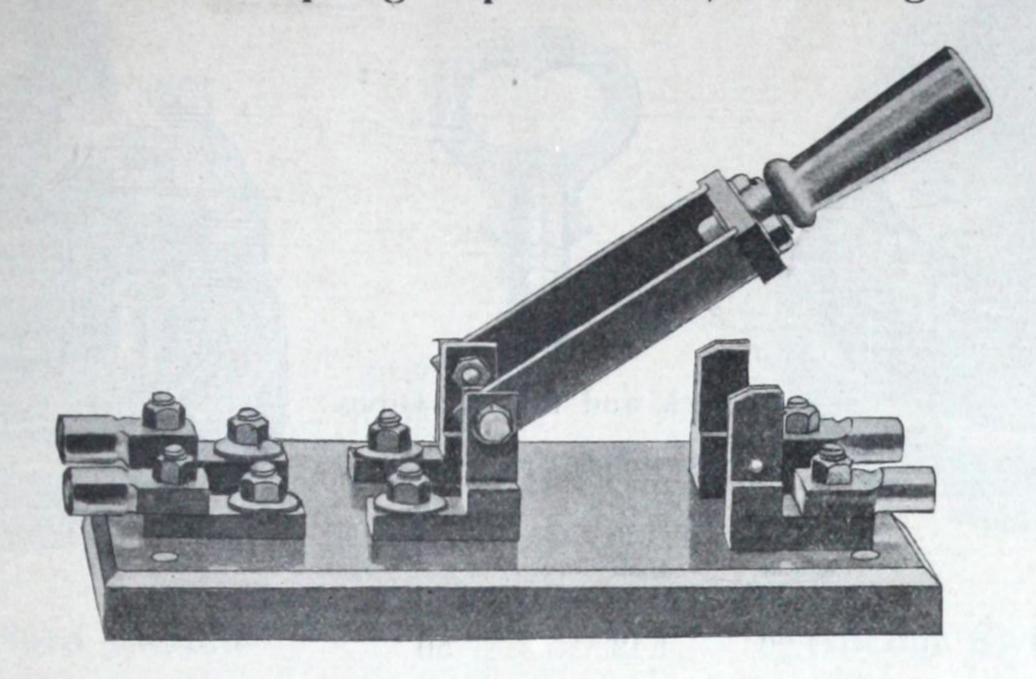
# 3 WIRE SINGLE THROW-PORCELAIN BASE.

413	15	amp.	S. T.,		50	.90
418	25	"			50	1.10

## 3 WIRE DOUBLE THROW.

419	15	amp.	D. T.,		25	1.20
420	25	"	"			1.20
					25	1.40

#### Polished Spring Clip Switches, with Lugs

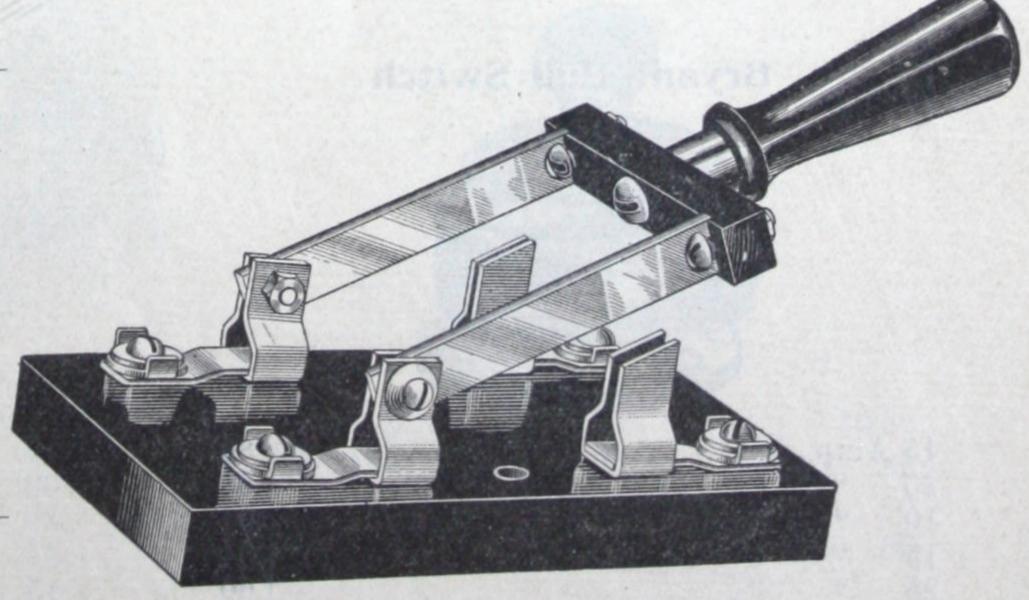


	V	Vith Fu	se Conn	ection				7	Without	t Fuse C	Connect	ion	
AMP.	S. P. S. T.	D. P. S. T	3 Р. s. т.	S. P. D. T.	D P. D. T.	3 P. D. T.	AMP	S P. S. T.	D. P. s. T,	3 Р s, т.	S P. D. T.	D. P. D T.	3 P. D T.
25	\$1.56	\$2.80	\$3 80	\$2.72	\$4.64	\$6.60	25	\$1.40	\$2 56	\$3.44	\$2.40	\$4.20	\$5.92
50	3.60	6.00	8.40	5 60	9.60	13.60	50	3 20	5.44	7.60	4.86	8.48	12.00
75	4.00	7.36	9.40	6.20	12.00	18.00	75	3.60	6.60	8.56	5.60	10.80	16.00
100	5.44	9.60	12.40	9.20	16.40	22.40	100	4.80	8.64	11.20	8.00	14 40	20.00
150	6.40	11.00	15.20	9.80	17.60	24.00	150	5.76	9.80	13.60	8.60	15.60	21.60
200	7.20	12.00	16.00	10.80	20.00	29.20	200	6.40	10.72	14.40	9.60	17 60	25.60
300	8.40	14.20	20.40	13.60	24.00	36.90	300	7.60	12.80	18.40	12.00	21.60	32,00
400	9.84	16.80	24.00	16.80	28.80	41.60	400	8.96	15.20	21.60	14.40	25.60	36.00
600	13.60	22.80	33 60	24.00	40.00	58.40	600	12.40	20.80	31.20	21.20	36.00	52.00
800	22.00	39.00	58.00	37.50	68.50	102.50	800	20.00	35.50	51.00	33.00	61,50	92.50
1200	33.00	66.00	105.00	58 70	117.00	188.00	1200	30.55	61.10	97.00	52.10	104.35	172.00
1800	40.00	82.00	118.00	82.50	140.30	235.00	1800	38.00	73.25	109.00	72.90	124.75	187.50

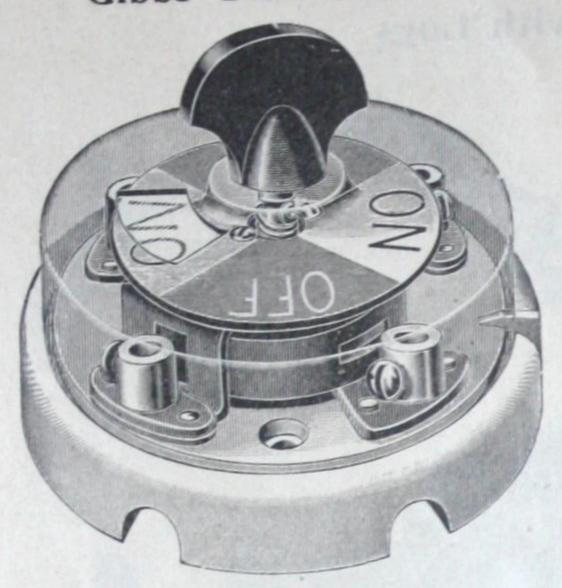
#### Standard Knife Switches

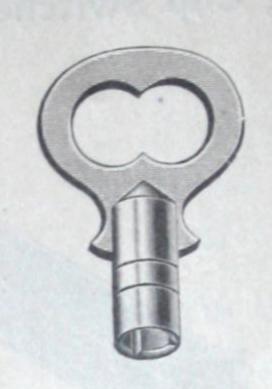
Single Break

				Fused	Double Throw	Fused Double Throw
25 or 35	Amn	D. P.	\$1,10	\$1.70	\$2.40	\$3.30
50	4.	**	1.80	2.50	3.50	5.00
75	"	44	2.90	3.70	8.00	9.50
100		11	5.00	6.50	13.00	15.00
25 or 35	"	3 P.	1.70	2.20	4.00	6.20
50	44	11	2.20	3.30	5.50	8.00
75	"	46	4 00	5.20	10 30	13.50
100	44	16	6.50	9.00	15.00	17.00
25 or 35	44	S. P.	.90	1.40	2.00	2.40
50	**	"	1.50	1.90	3.00	3.50
75	"	**	2.40	3.00	4.00	5.00
100	44	"	4 00	5.00	8.00	9.00



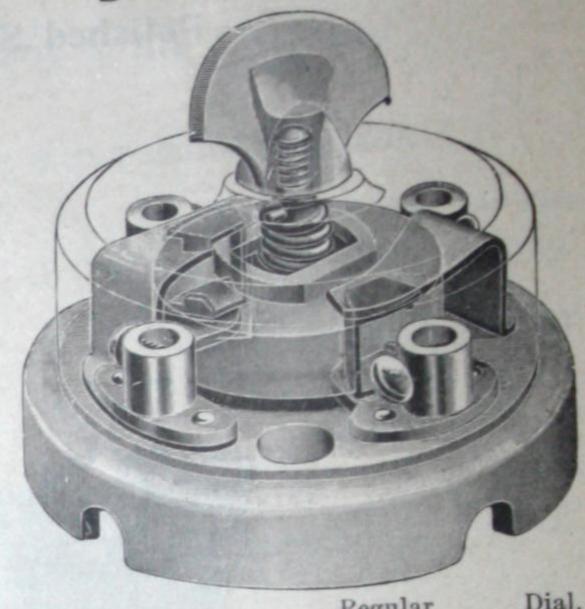
#### Gibbs Dial Switch





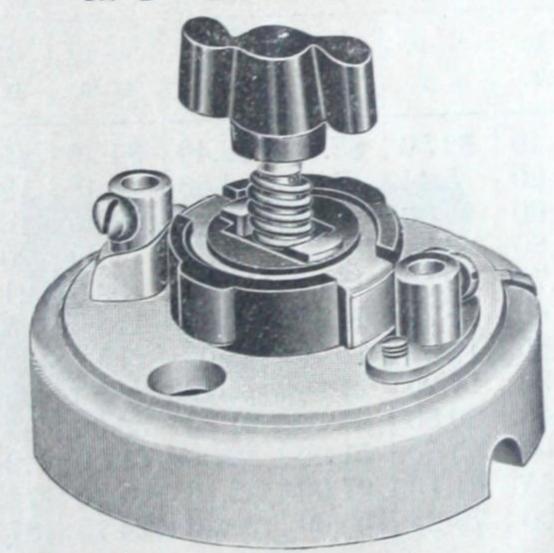
Lock and key for Gibbs switches, price, . \$0.40

# D. P. Gibbs Switch



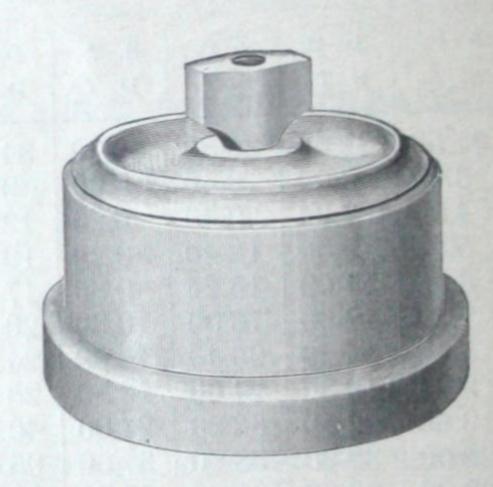
15 " " 1.20 1.42	10 Amp., D. P		Dial. \$0.88 1.42	30 Amp., D. P., . 50 " -		\$1.76 3.74	\$2.0
------------------	---------------	--	-------------------------	-----------------------------	--	----------------	-------

#### S. P. Gibbs Switch



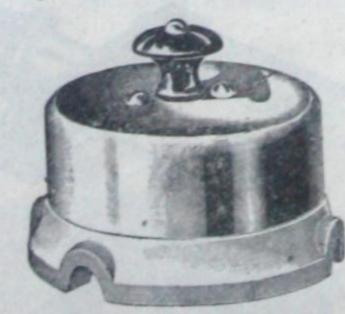
				Regular.	Dial
5	Amp.,	S. P.,		\$0.44	\$0.64
10	"	"		.56	.74
5	"	3-pt.,		.56	
10				.66	

#### White China Switch



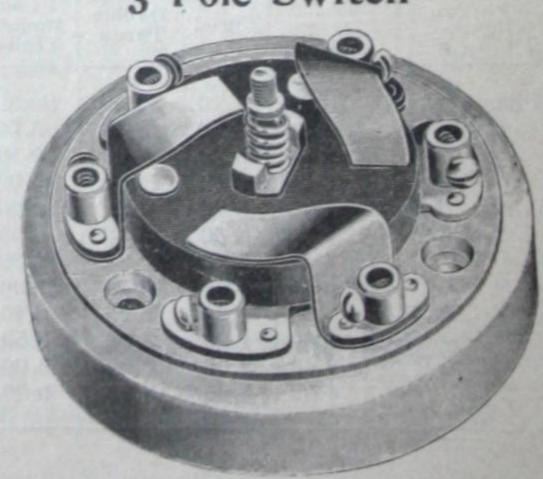
5	Amp.,	S. P.,	DAGE	1.95		\$1.20
10						1.50
5	"	3 pt.,				1.60
10						1.60

#### Bryant Pull Switch

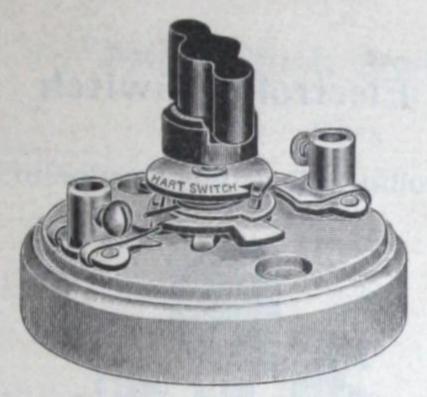


15 A	mp.	, S. P.,				\$0.80
95	"	16			5.50	1.08
10	**	D. P				.94
15	66	**				1.34
25	**	.6				1.60

#### 3 Pole Switch

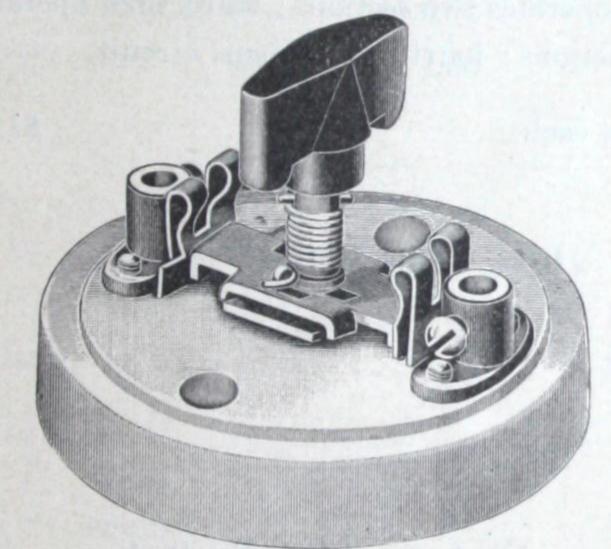


#### Hart Switch



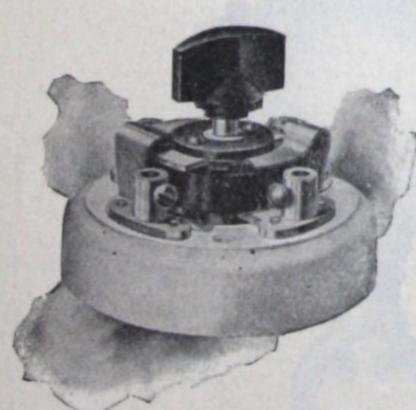
5	Amp	., S. P.,			\$0.56
10	"	"			.66
10	"	3.pt.,			1.20
10	"	D. P.,			1.20
20	66	"			1.60
35	"	"			2 00

#### Hartford Switch



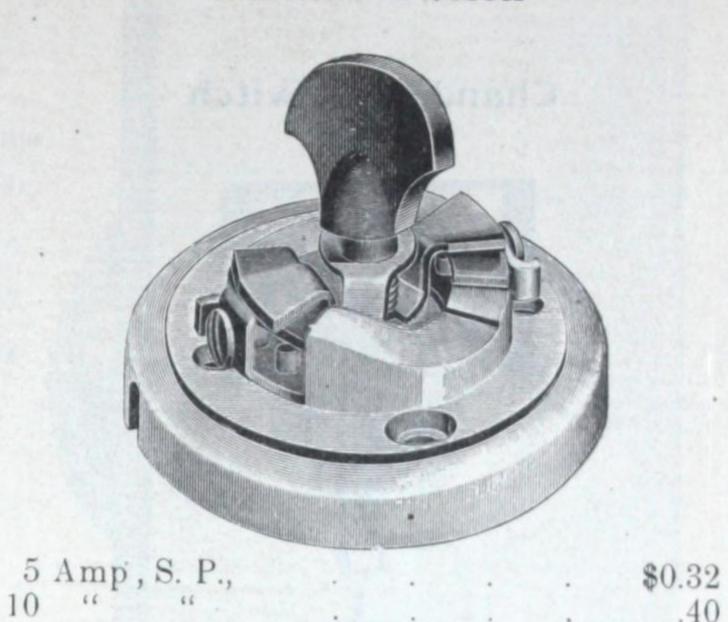
5	Amp	o., S. P.,			7	\$0.40
10	"	"				.52
10	"	D. P.,				.90
10	"	3-pt.,	. 1			.90

#### Jenkins Switches

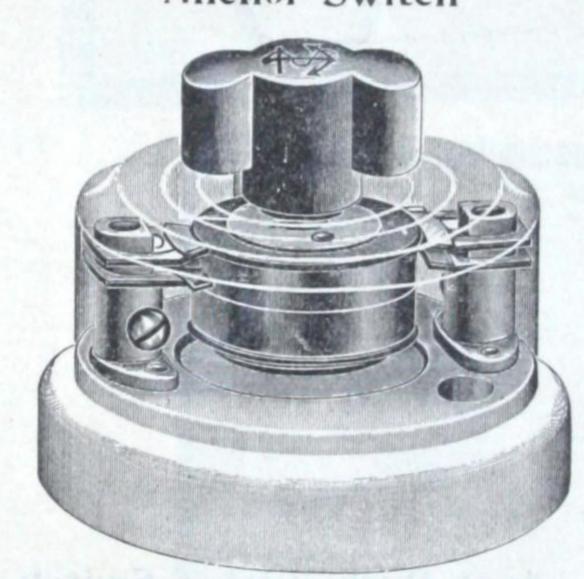


					*	
		D. P.				SP.
5	Amp.	, S. P.,				\$0.32
10	"	"		2		.40
10	"	D. P.,				.66
10	16	3-pt.,				.66
5	"	"				.54

#### Perkins Switch

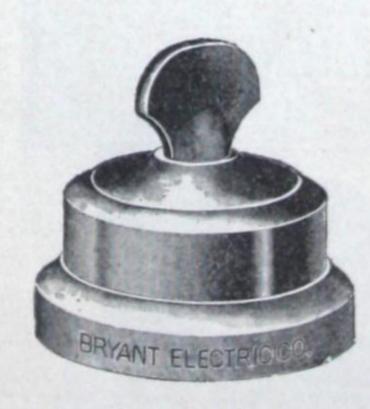


Anchor Switch



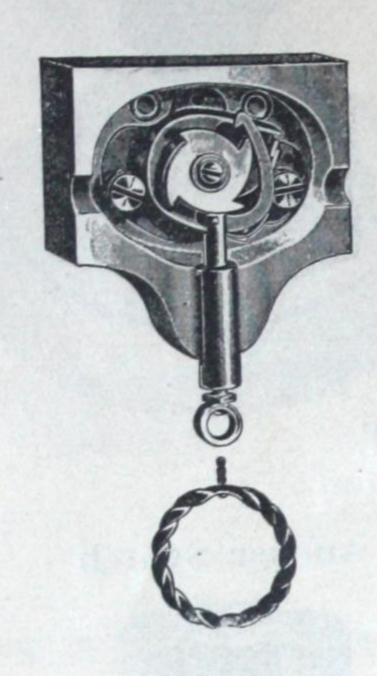
5 1	Amp	, S. P.,		17.7	44,00	\$0.42
10	**	"				46
10	"	D. P.,				.98
10	"	2-pt.,				.78

#### Paiste Switch



5	Amp	, S. P.,			\$0.32
	44	"			.46
5	4.	3-pt.,			.64
10	**	**			.80

#### Chandelier Switch

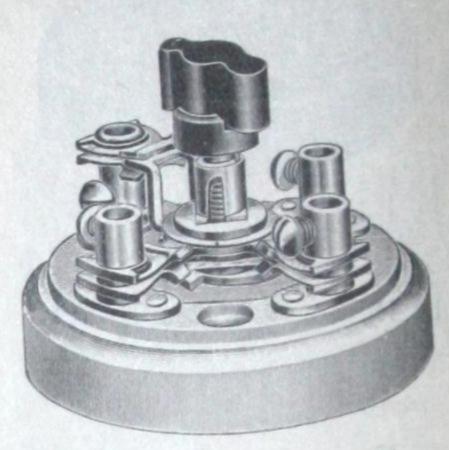


5 Amps., each,

\$1.60

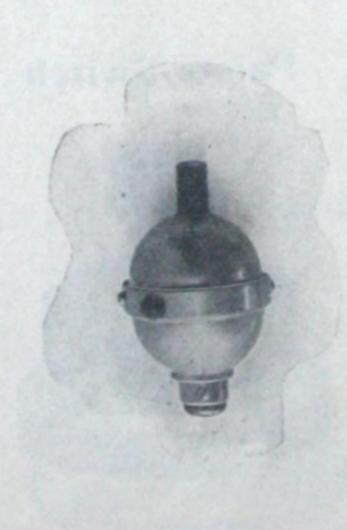
## Electrolier Switch

For Controlling Electrolier Lamps in Sections

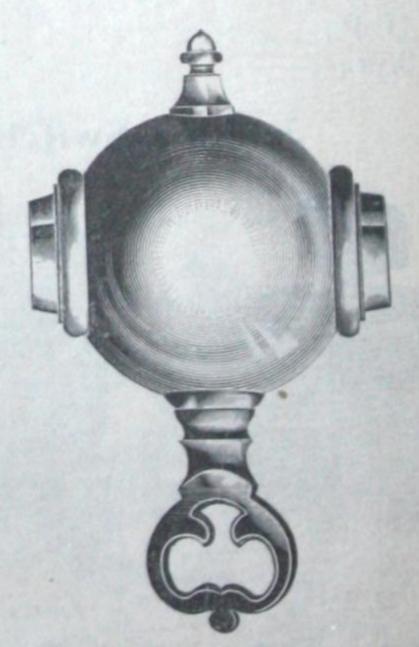


First turn operates one section; second turn operates two sections; third turn operates all sections; fourth turn opens circuit.

#### Pendant Push Button Switch



Fixture Arm Switch



Without Key.

\$1.00

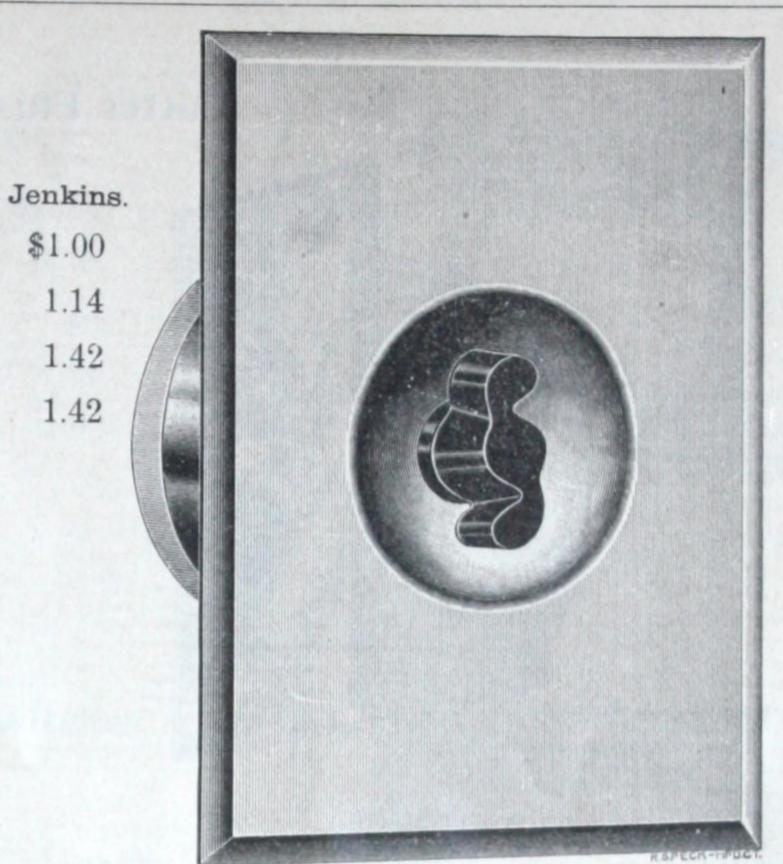
1.14

1.42

1.42

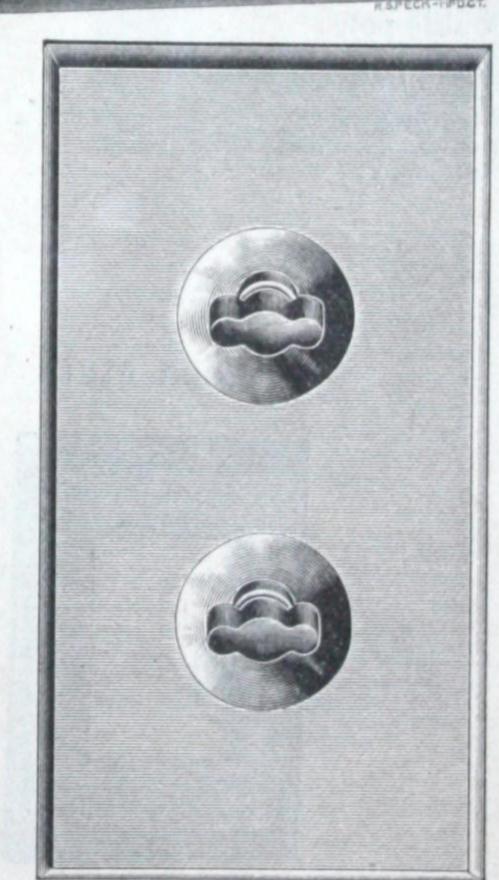
#### Snap Flush Switches

				Ha	rt.	Gibbs.	
5 A	Amp.	., S. P.,		\$1.	60	\$1.34	
10	"	"		1.	70	1.50	
10	"	D. P.,		2.	20	1.72	
10	"	3 Pt.,		2.	20	1.72	
10	"	Electrolie	er,	2.	20		
10	"	Triple po	le,	 3.	20		
20	"	D. P.,		3.	20		
35	"	"		3.	60		
20	"	3 Pt.,		3.5	20		
35	"	"		3.	60		
20	"	Triple po	le,	4.0	00		
35	"	" "		4.8	50		



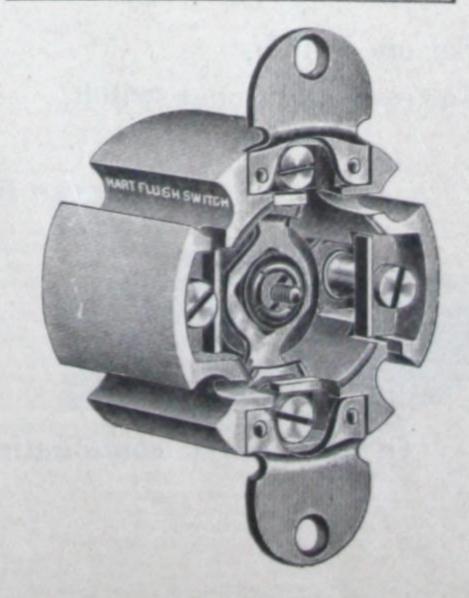
#### Gang Plates Only

					Hart.	Gibbs.
2 Gang	, .				\$2.10	\$1.90
3 "					3.20	2.80
4 "	long,				4.30	3.75
4 "	square	,			4.30	3.75
5 "					4.70	4.66
6 "					5.00	5.60
8 "					5 90	7.46

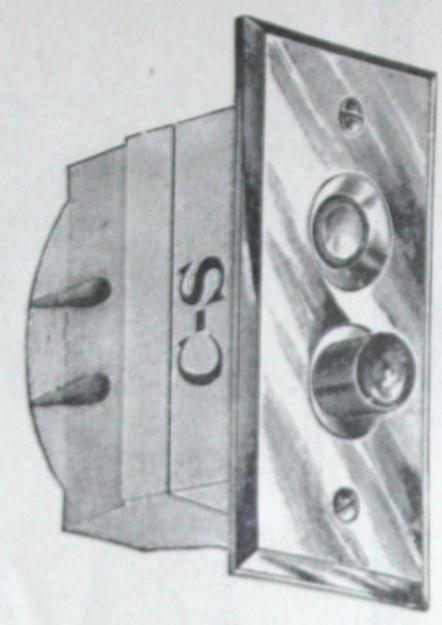


#### Gang Switches Only

					Hart.	Gibbs.
5	Amp.	S. P., .			\$0.80	\$0.44
10	"	" .			,90	.56
10	"	3 Pt, .			1.46	.82
10	"	D. P., .			1.46	.82
10	"	Electrolier	, .		1.46	
10	"	Triple pole	e, .		2 50	
10	"	Four point	, .		1.46	



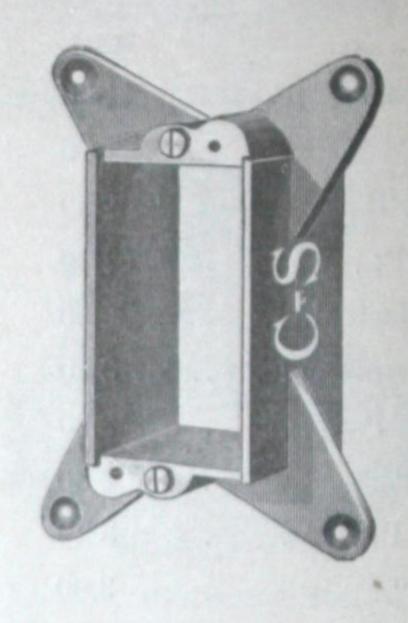
#### Cutter Flush Switches





SWITCHES.

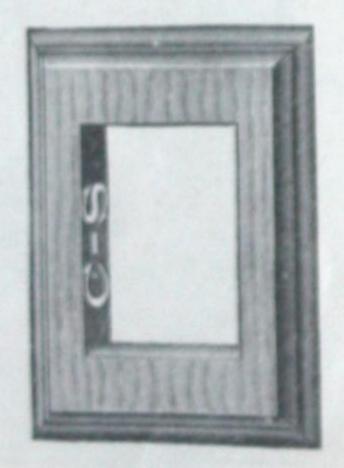
Double pole,			\$2.50
Single pole,			2.00
Three-way,			2.50
Four-way,			4.00



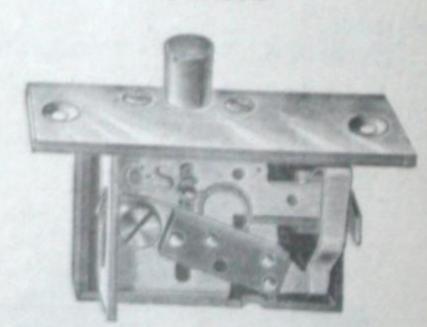
IRON WALL BOXES.

For one switch,			\$0.15
For each additional	switch,		.15

#### Wood Mats



# Automatic Door Switch for Door Jamb



Constructed so that opening of the door turns on the light, and closing turns off the light, or vice versa.

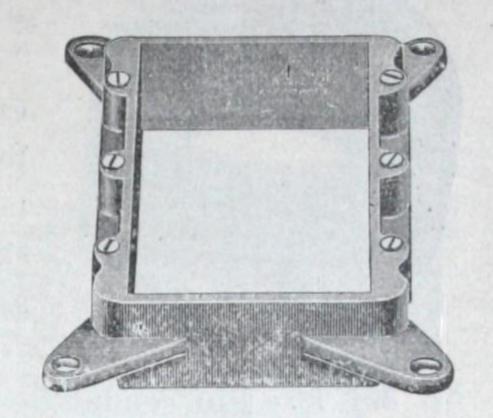
We can furnish any desired make of push button switches.

#### Gang Switches

Of any desired combination can be furnished, including gas lighting keys and push buttons.

### Iron Wall Frames and Boxes

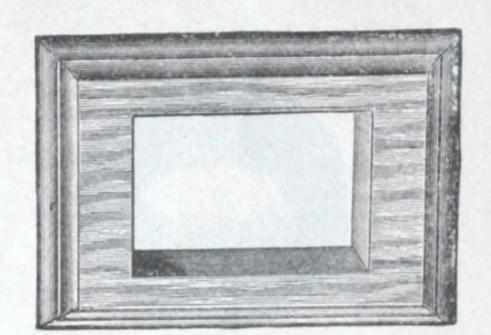
					Frames.	Boxes.
1 Hole,					\$0.28	\$0 60
2 "					.54	1.05
3 "					.80	1.50
4 "					1.08	2.00



## Wood Blocks for Snap Flush Switches

(Round Hole.)

1	Hole,						\$0.30
	"					8	.60
3	"						.80



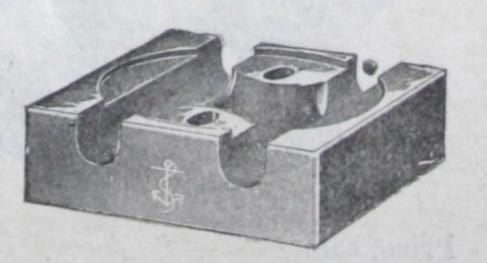
## Round Wood Blocks

For Snap Switches and Canopies

21	inch,											\$0.08
3	"											.10
4	"						e de la constante de la consta					.10
5	"											.15
	"											.18
6									32		,	.20
7	"											.22
8	"									. 9	·	
11	inch	Hole !	in ce	enter	and	3 sci	rew ho	oles,		. 3	cents	extra



## Porcelain Switch Blocks





#### Outlet Insulators

All Erickson insulators are made of two essential parts, viz: a metal member threaded to receive the end of conduit, and an insulation moulded to the metal member, making a substantial combination which is equally as strong as the conduit itself.

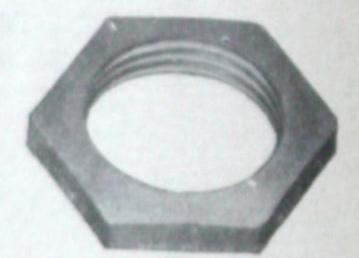


24			-				Pr	ice per C.								I	Price per C.
No.	A	1,	for	- 8	in	. conduit,		\$6.50	No.	A	2,	for	10	in	conduit,		\$8.50
44								12.00	"				-		11		20.00
		1.5		17				30.00	"	A	6	44	11	"	и		40.00
44	A	1,	**	2	**	"		60.00	"	A	8	11	21	44	44		80.00



#### Box Insulators

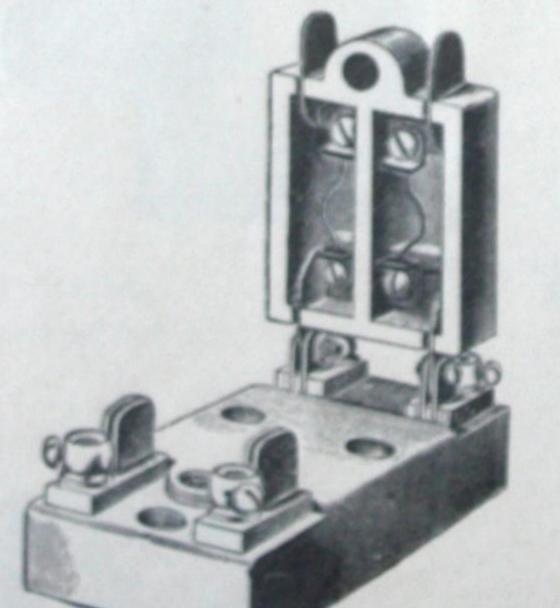




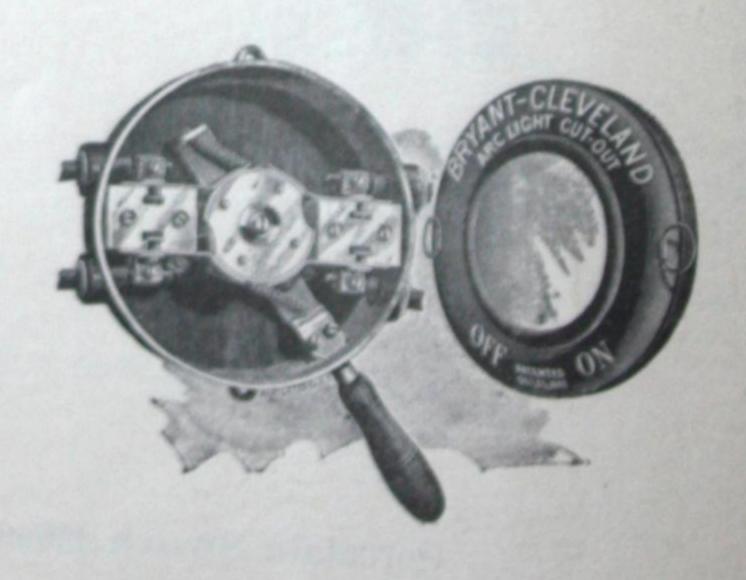
The insulator, as shown in the accompanying drawing, has a dual purpose, that of protecting the end of conduit, and also a locking device. When the insulator is run up to its full length on the thread, the check nut is set down securely on the exterior surface of the box, making a rigid and at the same time tight joint.

			A STATE OF THE PARTY OF THE PAR				Pr	ice per C.										n
No	. A	31,	Insulator	for	å in.	pipe,		\$5.50	No.	A	36.	Check	nute	for	3 in			Per per C.
41	A	32,	11	iii	1 "	41		6.50	- 11	Δ	27	11	11	101	g 111.	pipe,	*	\$1.50
41	A	33,	**	11	2 11	41		8.00										1.75
					*			0.00		A	58,	11	"	11	"	44		2.00

## Combined Switch and Cut-Out



## Bryant Cleveland Arc Cut-Out



\$4.00

## Standard Square Outlet and Switch Box

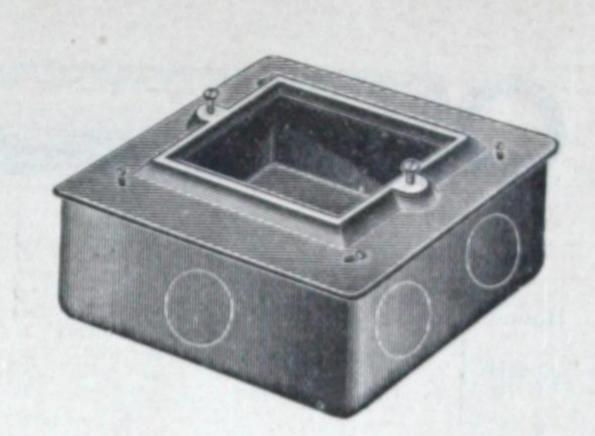
The square box shown in cut is made with interchangeable covers so that it may be used as an outlet box or switch box as desired.

There are eleven plugged outlets in each box, eight on sides and three in bottom, all for \( \frac{5}{8} \) inch conduit or \( \frac{1}{2} \) inch gas pipe. Box is drilled to take fixture stem.

The switch covers are made adjustable to permit switch plate being straightened after box is in position.

Dimensions, 4 in. x 4 in. x 13 in.

NT.	15	Cu 1 1						Pr	ice per C.
		Standard	box,						\$22.50
	35, 36,	"	cover	for	outlet box, flush switches,				6.50
	37,	"	"	"	push button sw	itch	es.		9.25 13.50
	In o	ordering alu	vays sp	ecif	y make of switch	to be	used		
on a	ppli	cation	armisn	eu	for any number	01	switc	hes.	Prices



#### Receptacle Box

This box is designed particularly to take No. 50746 and 9397 Edison receptacle, which is attached by screw to bottom of box. Four plugged outlets are provided for conduit entrance, size .84 inch outside diameter.

With this box we furnish a polished brass cover, either to project beyond edge of box as shown in cut or to lap over edge of box. The rubber ring in the lamp receptacle fits the opening in cover closely. A shade holder may also be attached if desired.

Dimensions of box, 3 inches diameter, 11 inches deep.

				Pr	ice per C.
No. 17,	Receptacle box,				\$22.25
" 48,	Flush brass cover, .				9.25
	Lapped brass cover,				
	furnish boxes for				
applicati					



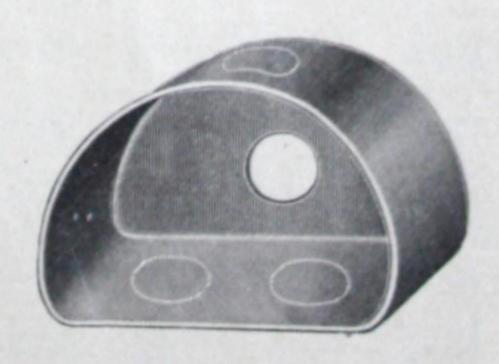
#### Bracket Outlet Box

This style of box is designed to be used on side walls where two pipes enter side by side. As shown in cut, one outlet is provided in bottom of box for either gas pipe or fixture support and three plugged outlets for conduit.

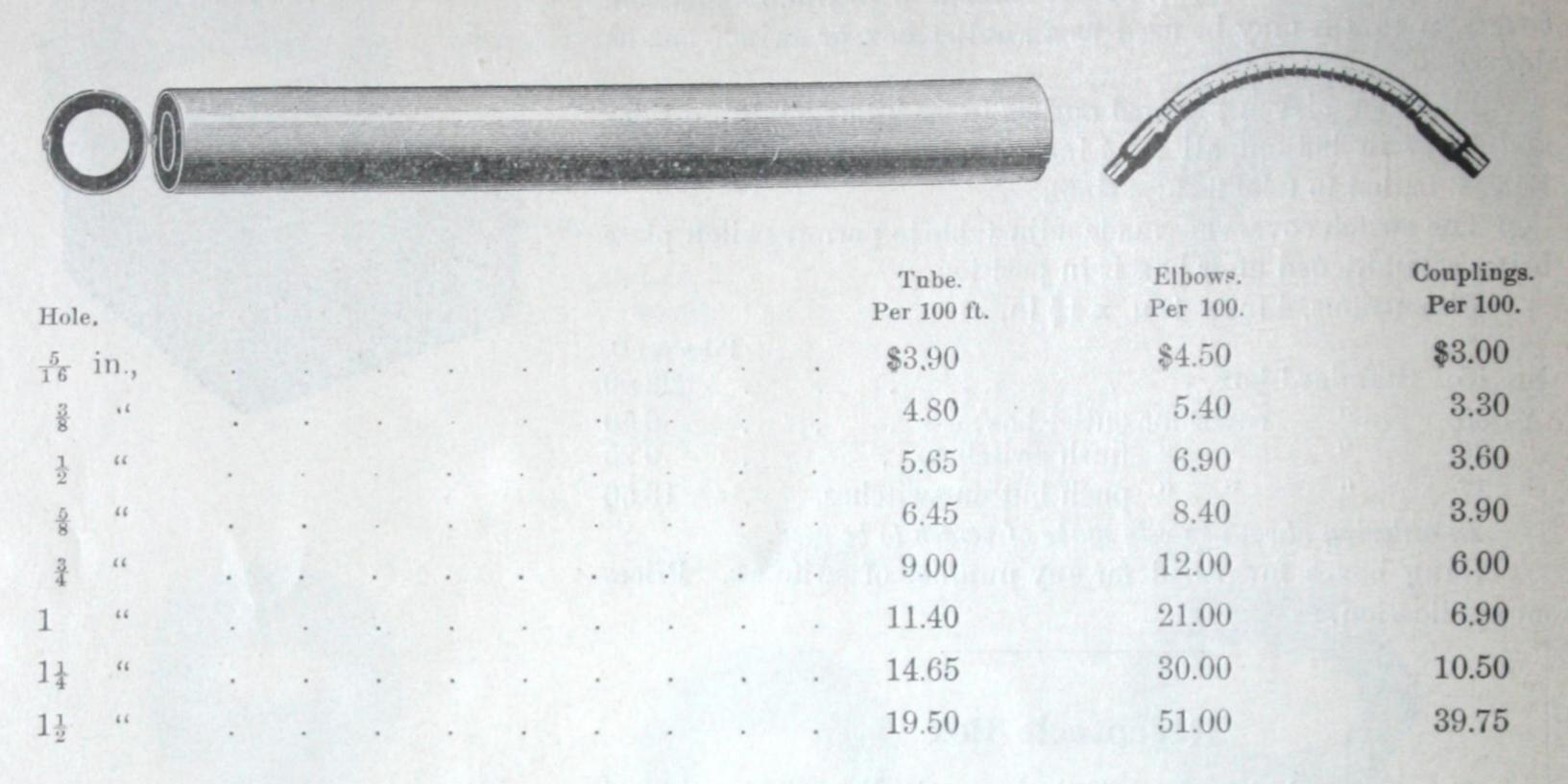
The dimensions of box are 37 inches outside diameter, 2 inches deep.

Box is designed to set flush with or project slightly beyond plaster wall.

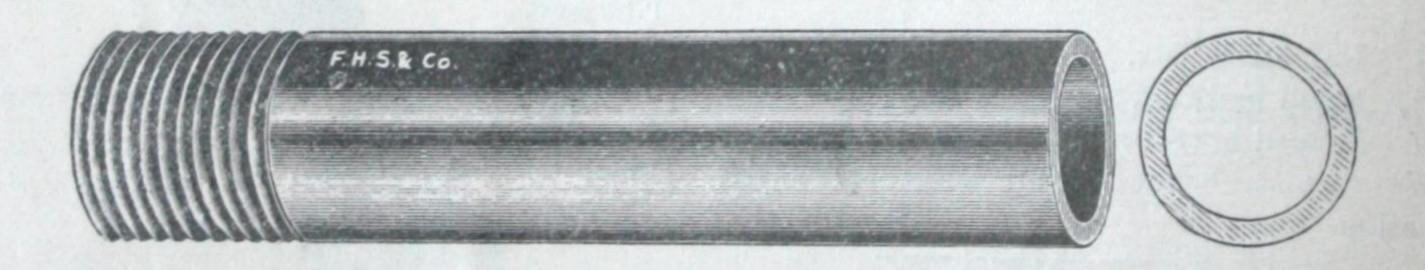
No cover is furnished with this box, a four inch fixture canopy being of ample size to cover the box.



## Brass Armored Conduit. Elbows and Couplings.



## Iron Armored Interior Conduit. Elbows and Couplings.



Hole.				0	ntside Diameter.	Tube per 100 ft.	Elbows per 100.	Couplings per 100.
7 in.,			3.4		.67 in.,	\$12.00	\$17.00	\$8.00
1 "					.84 "	14.00	19.00	11.00
7 10					1.05 "	16.00	25.00	15.00
9 "					1.31 "	24.00	39.00	20.00
11 "					1.66 "	30.00	54.00	25.00
14. "					1.90 "	37.00	110.00	30.00
1 8 "					2.375 "	50.00	166 00	50.00
21 "					2.875 "	77.00	270.00	85 00
23 "					3.50 "	107.00	475.00	120.00

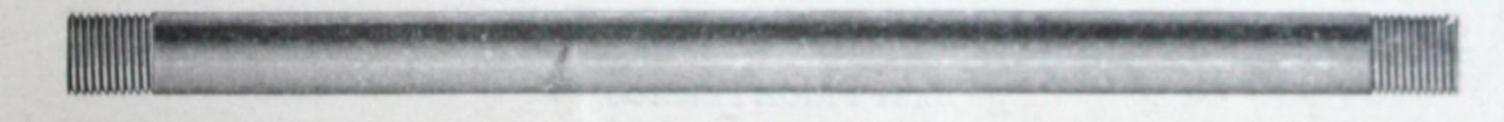
## Circular Loom Conduit



Inside	diameter	1	inch	, 250	ft. coils,	per 100	feet,					\$6.00
"	"	38	"	250	u	ш	"					7.00
"	"	1/2	" .	200	"	ш	"					8.00
"	"	6	44	200	"	16	11					10.00
"	"	3	"	150	"	"	"					12.00
"	" 1		a	100	"	"	"					16,00
"	" 1	1	"	100	**	***	II.					20.00

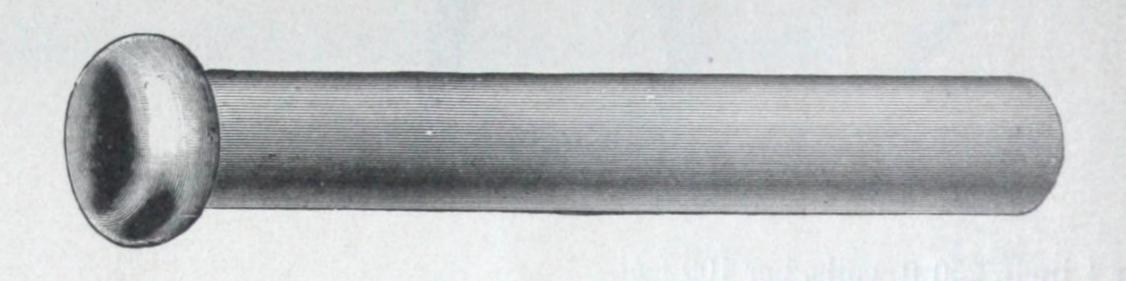
## Electroduct Tube, Elbows and Couplings

(Enameled)



			No. of		1	ELBOWS		CO	UPLING	S.
Standard Size Pipe.	Actual Internal Diameter.	Outside Diameter.	Threads per inch of Screws.	Tube Price per 100 feet.	Standard Size Pipe.	No. Threads per inch.	Price per 100.	External Diameter.	Length	Price per 100.
½ in.	39 in.	54 in.	14	\$12.50	½ in.	14	\$20.00	1 in.	1‡ in.	\$8.00
3 "	52 "	14 "	14	16.00	1 "	14	25.00	121 "	11 "	11 00
1 "	1 2 "	121 "	111	21.00	1 "	111	40.00	141 "	13 "	13.00
11 "	124 "	143 "	111	27.00	11 "	111	60.00	161 "	17 "	17.00
11 "	138 "	158."	111	34 00	11 "	111	100.00	2 9 "	2 "	21.00
2 "	24 "	225 "	111	47.00	2 "	111	180.00	248 "	21 "	28.00
21 "	230 "	257 "	8	67.00	21 "	8	265.00	317 "	21 "	40.00

#### White Porcelain Tubes.



5		x 3	inch, p	er 1000,					. 1	121		\$15.50
5	5 3	x 4	"	"						prill.		17.00
		6		"	٠.						1.	39.00
38	2	3	"	"						y in		18.20
		4										19.70
50 00	X	6	"	"						100		46.80

## Large White Porcelain Tubes.

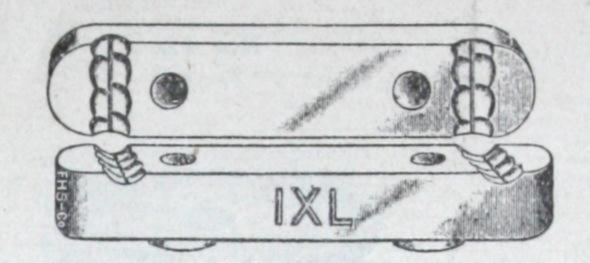
LIST PRICE PER 100.

					Length in	inches un	der head.				
Insi Dia	- 4	6	8	10	12	14	16	18	20	22	24
1 6			\$7.20	\$9.60	\$14.40	\$16 80	\$19.20	\$21.60	\$24.00	\$27.60	\$31.20
38			8.40	10.80	15.60	19.20	21.60	33.00	26.40	30.00	33.60
$\frac{1}{2}$	\$2.80	\$5.44	9.60	12 00	16.80	21.60	24.00	28.80	31.20	33.60	36.00
58	3 44	6.22	10.80	14.40	19.20	24.00	28.80	33.60	36.00	38 40	40 80
34	3.90	7.00	12.00	16.80	21.60	24.00	31.20	36.00	38.40	43.20	48.00
1	6.52	9.34	16.80	19.20	26.40	28.80	36.00	40.80	45.60	49 20	52.80
114	15.60	19.20	24.00	31.20	45.60	52.80	62 40	72 00	79.20	86.40	93.60
11/2	19.20	31.20	38.40	45.60	69.20	81.60	91.20	102.20	112.80	123.60	134.40
											101.10

Add 50 per cent. for Glazing.

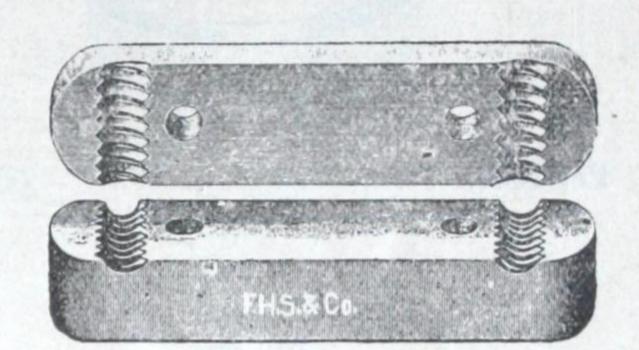
#### IXL Cleats.

2	wire,	unglazed,	per 1000,			\$30.00
3	"	"	"			30.00
2	**	glazed,	"	3		36.00
3	"	"	"			36.00



#### W. Cleats.

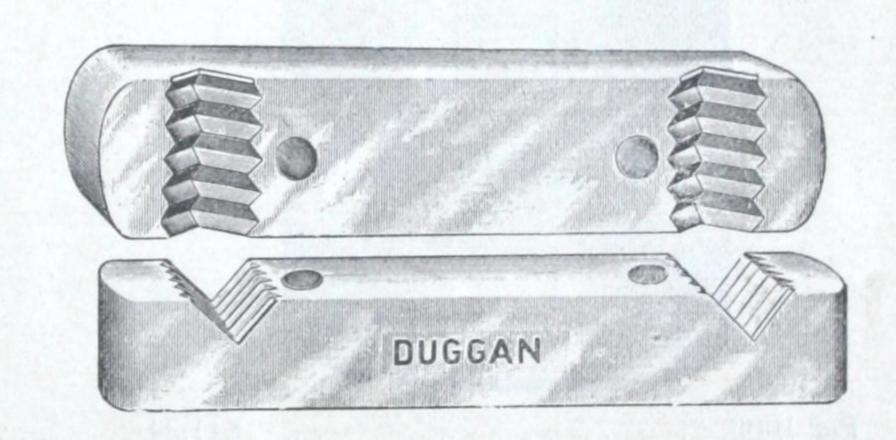
2	wire	, glazed, pe	er 1000,			\$36.00
3	"	"	"		11.884	36.00
2	"	unglazed	"			30.00
3	"	"	"			30.00



## Duggan Cleats.

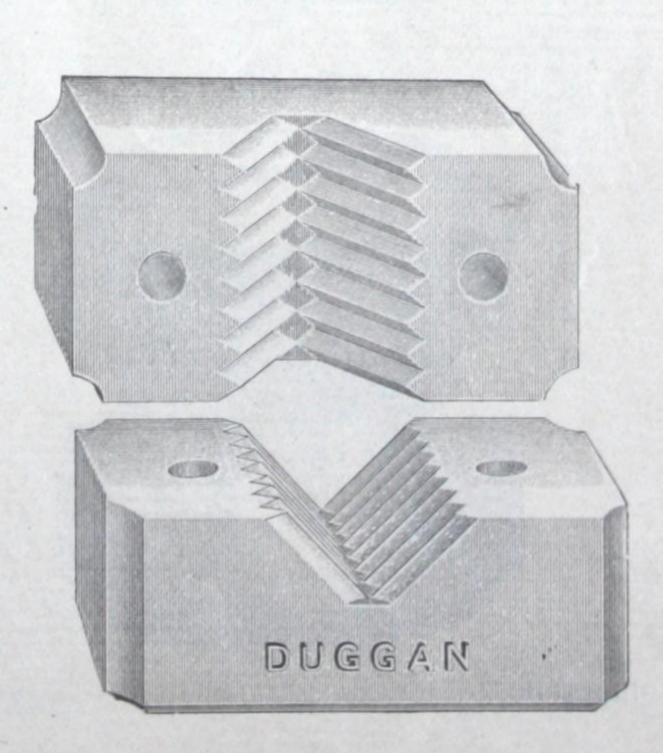
No. 151, takes No. 8 to No. 16, per M, \$45.00

" 152, " " 6 " 00, " 53.34



## One Wire Cleats.

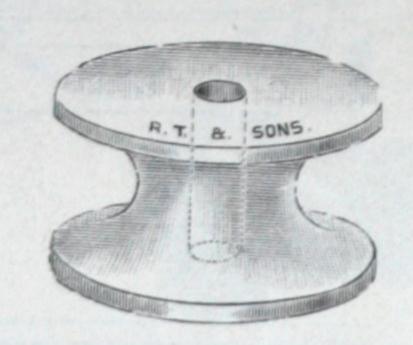
No.	328	holds N	To. 16 t	to N	To. 8 v	vire,	per 100,	\$2.70
"	329	"	6	"	2	"	"	4.80
"	330	. "	2	"	00	"	"	4.80
"	331	"	00	" (	0000	"	"	8.00
"	332	"	0000	and	large	er,	"	16.00

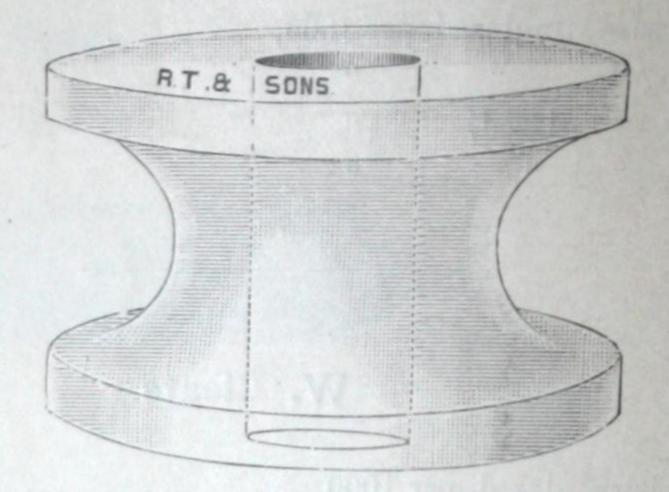


#### Porcelain Insulators

No. 12.

No. 25.





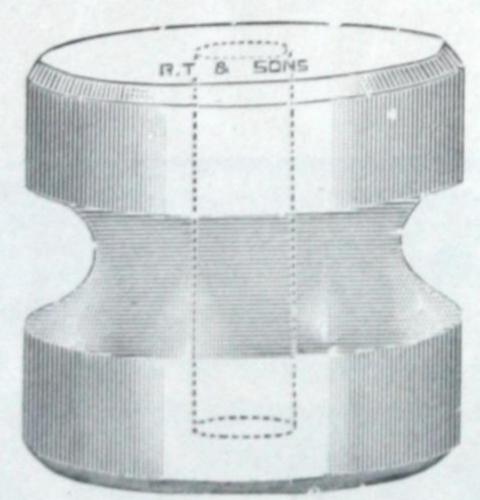
Per 1000, . . . . . .

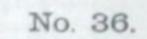
\$18.68

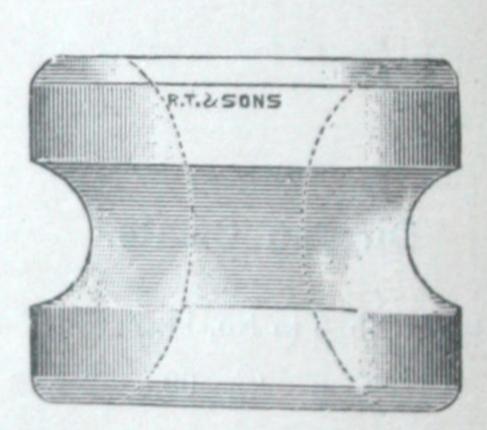
Per 1000, .

\$73.34

No. 24.

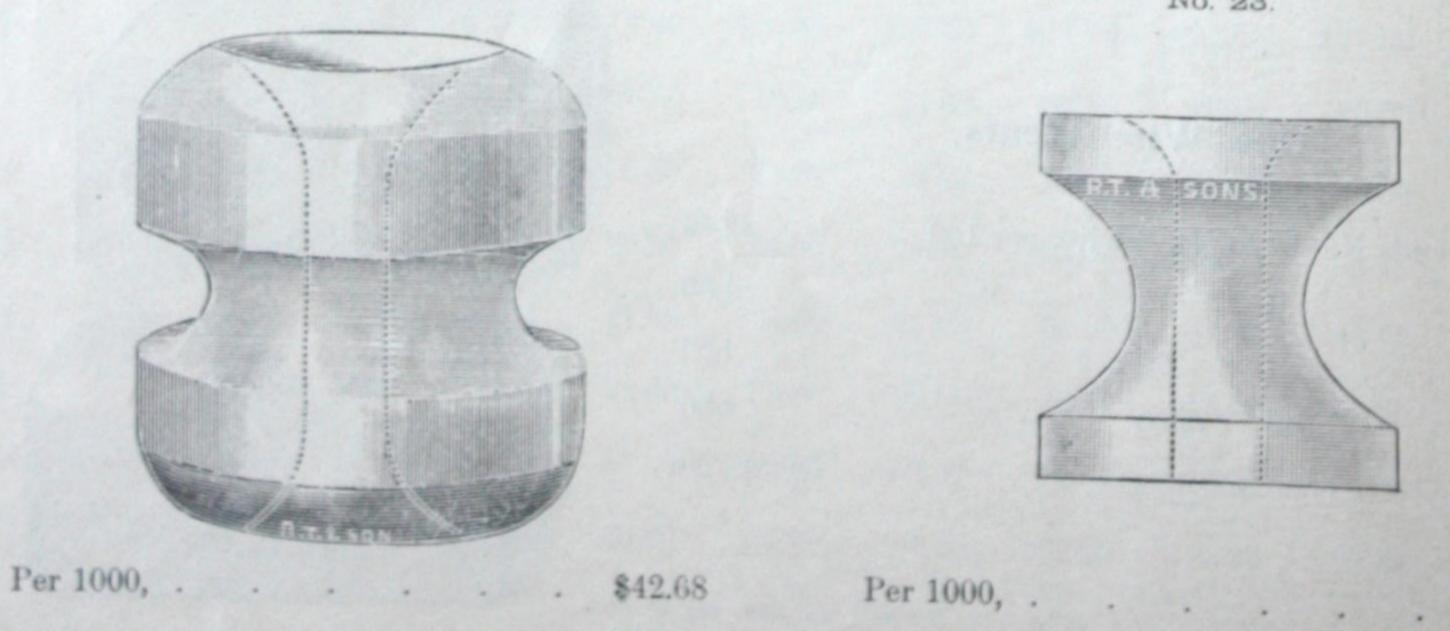




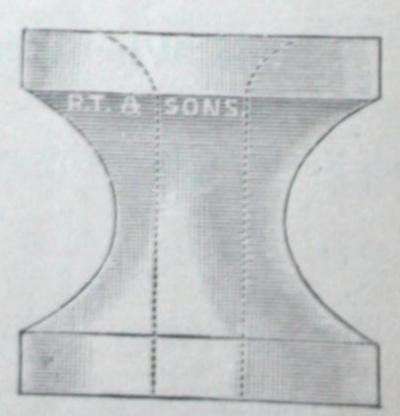


\$36.00

No. 20.

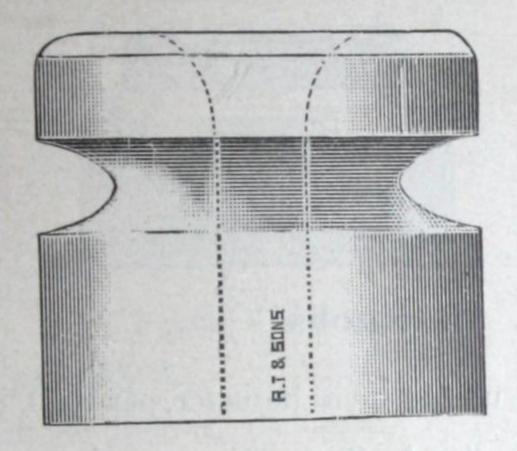


No. 23.

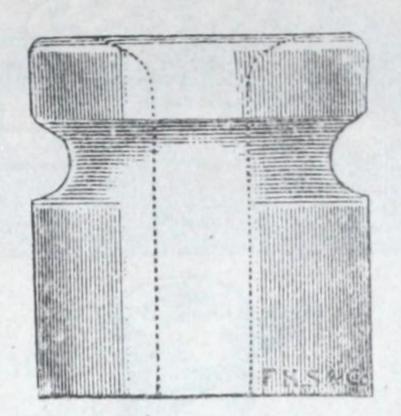


#### Porcelain Insulators

No. 3.



No. 4.



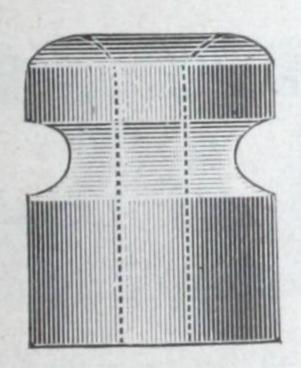
Per 1000, .

\$34.68

Per 1000, .

\$16.00

No. 5.



No. 6.

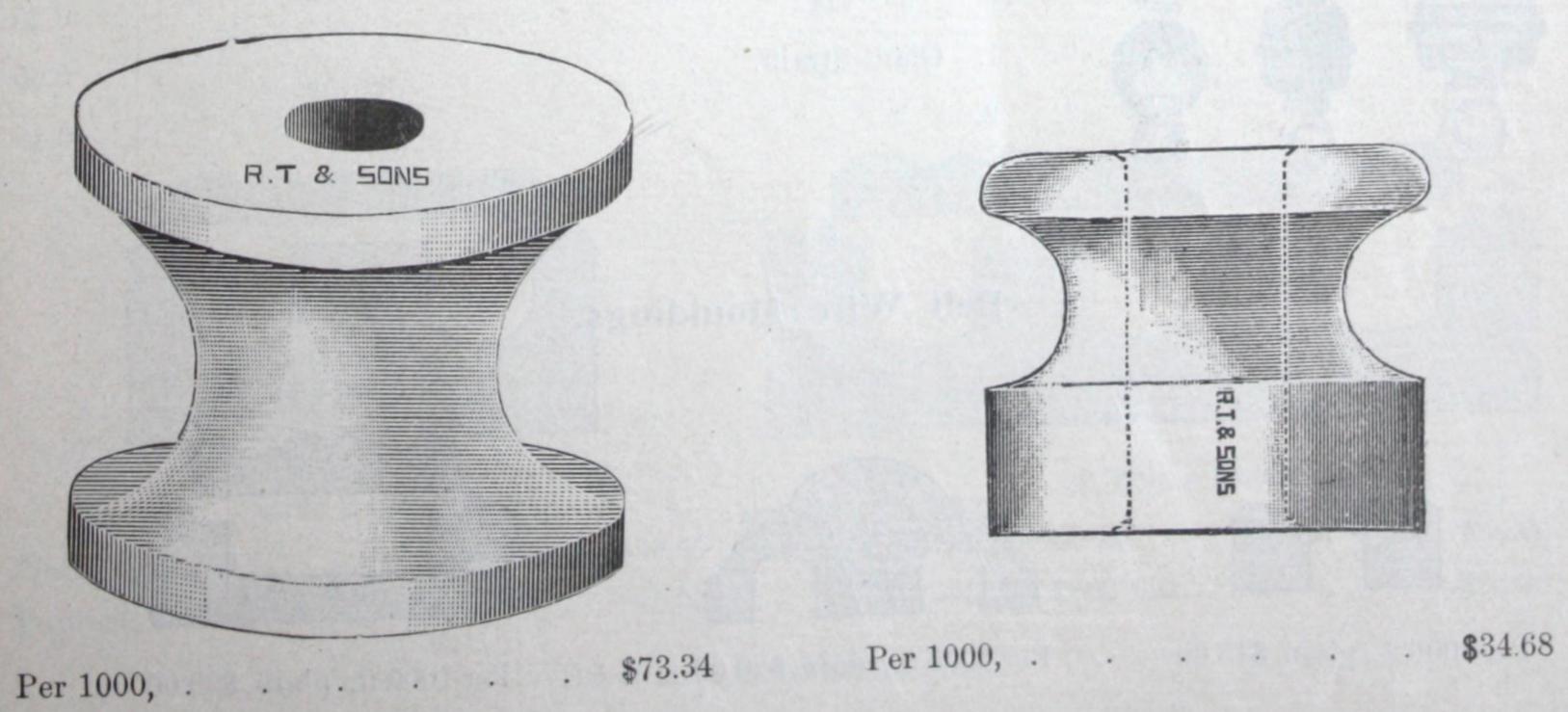


Per 1000, . . .

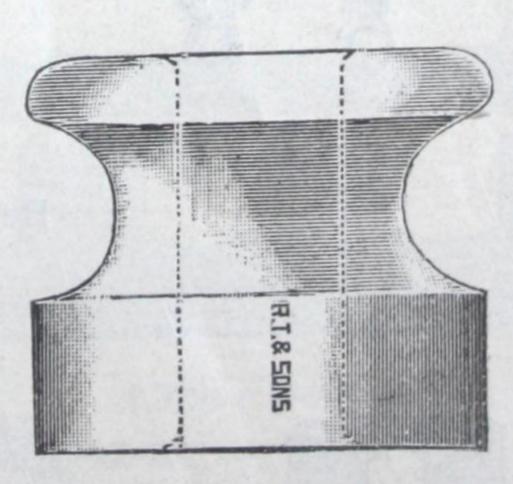
\$11.34 Per 1000, . . . . . . .

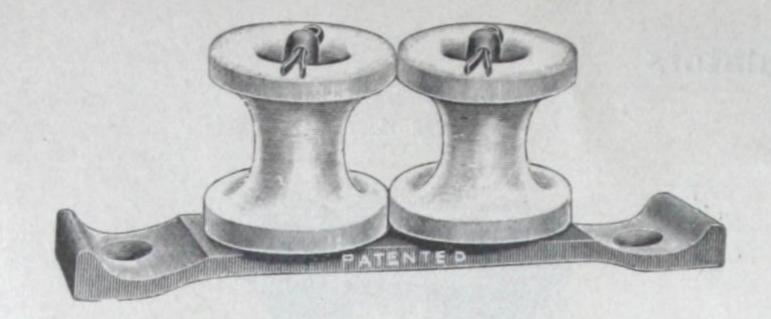
\$10.68

No. 39.



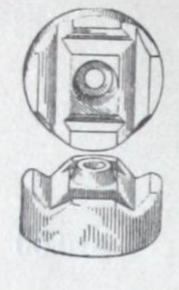
No. 3 Wide Groove.

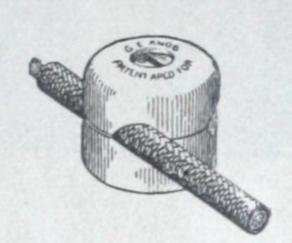




#### Simplex Tree Insulator.

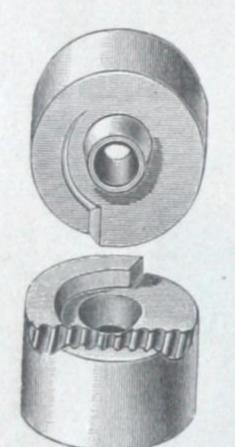
Each, \$0.50





### G. E. Knobs.

No. 9352. For single wire up to 3 inch diameter, per 1000, \$28.50 " 6580. 40.00

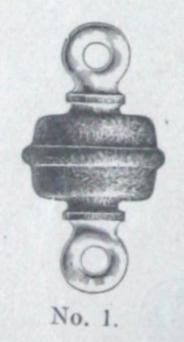


## Security Insulator.

Per 1000, . . \$33.34

## Mica Strain Insulators.

(Patented.)





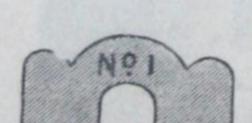


		1			
COMMUNICATION OF	THE STATE OF	ALC: N	MIN	١	
	多人に	100		,	

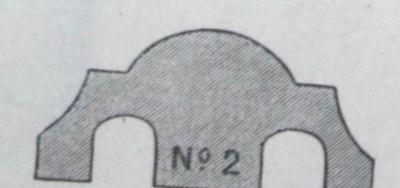
No. 809. Globe, 2 inch diameter, . \$0.30 " 810. " 13 " " 0.25 " 1. Giant Strain. 0.65 0.45

## Bell Wire Mouldings.

No. 1.

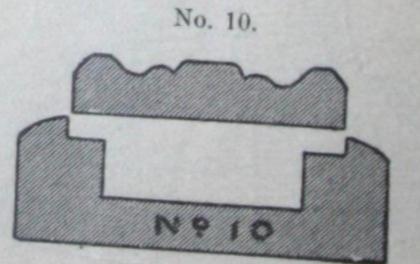


Per 1000 ft., plain, \$15.00



No. 2.

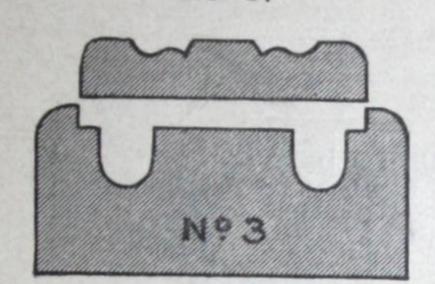
Per 1000 ft., plain, \$20.00



Per 1000 ft., plain, \$30.00

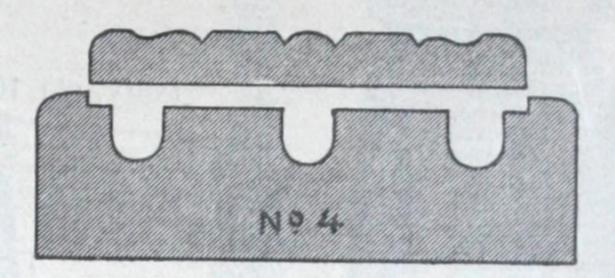
#### Wood Mouldings

No. 3,



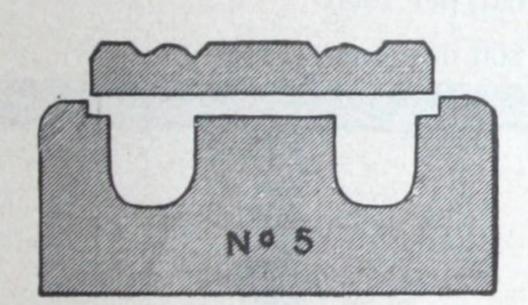
1 inch, 2 Grooves.

No. 4.



1 inch, 3 Grooves.

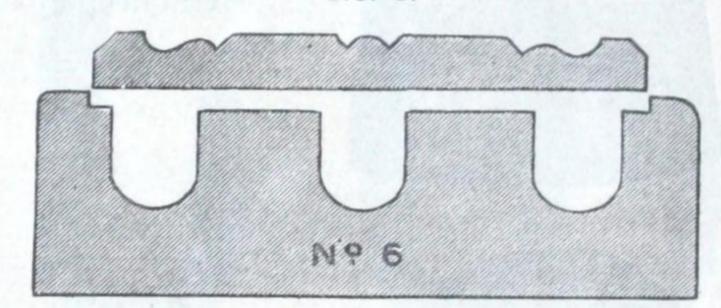
No. 5.



3 inch, 2 Grooves.

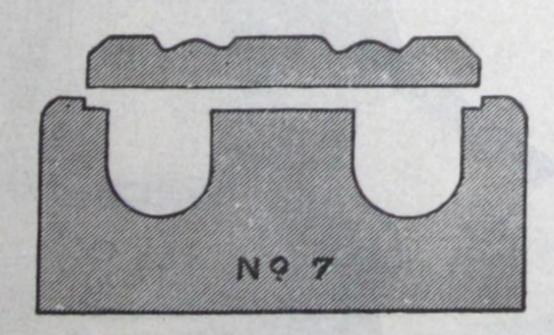
Plain, per 1000 ft.,			\$30.00
Painted, per 1000 ft.,			36.00

No. 6.



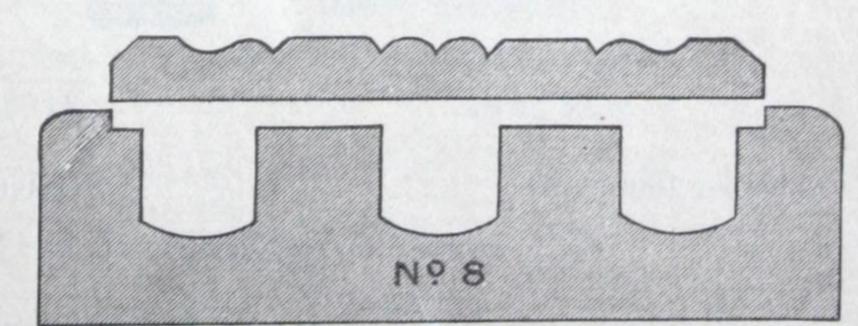
3 inch, 3 Grooves.

No. 7.



½ inch, 2 Grooves.

No. 8.

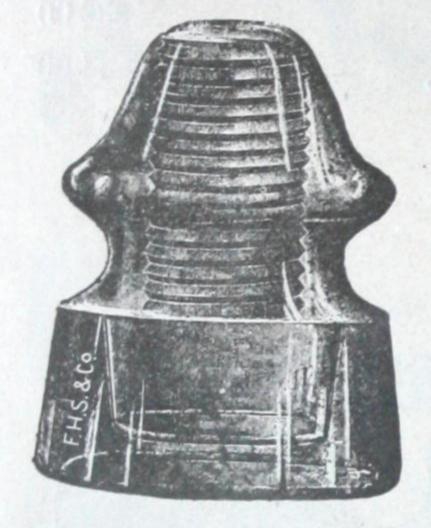


½ inch, 3 Grooves.

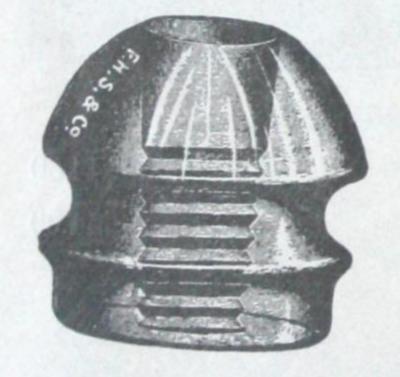
Other sizes furnished to order.



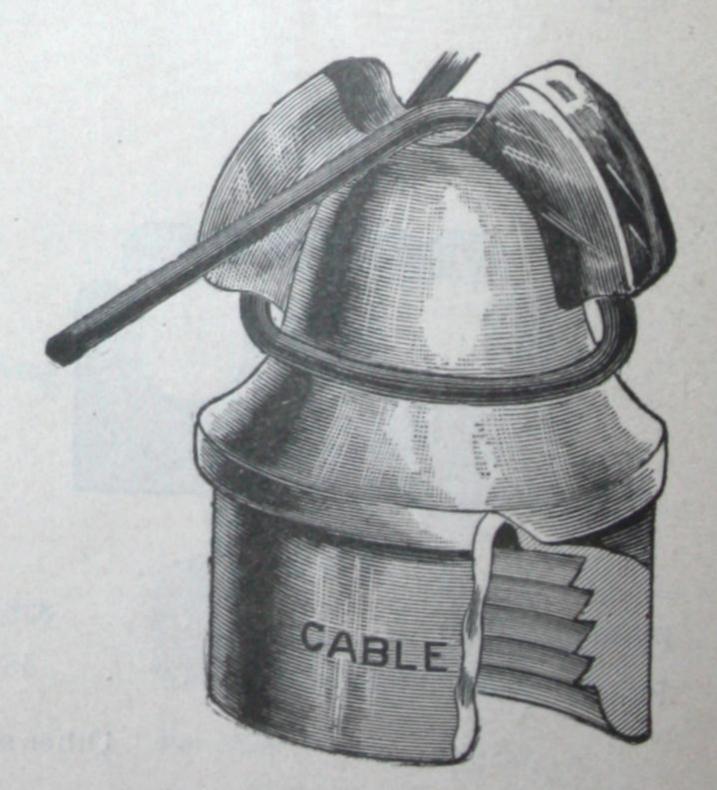
#### Glass Insulators



Deep groove, per 1000,						55.00
Extra deep groove, per 1000, .						55.00
Deep groove, double petticoat, pe	er 1000	),				65.00
Extra deep groove, double pettice	oat, pe	r 100	00	A CONTRACTOR		65.00
Packed :	200 in	a ba	rrel.			



Deep groove	Duplex	, per	1000,				75.00
Pony	"	"	"				72.00

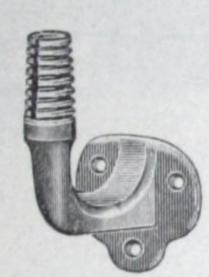


### Iron Pins and Brackets



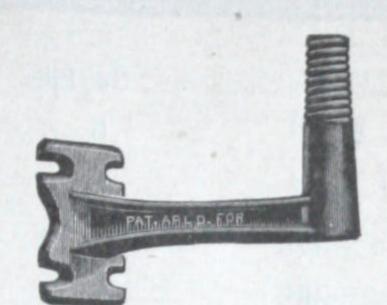
No. 1009

Each, \$0.17



No. 1019

Each, \$0.12



No. 1007

Each, \$0.14



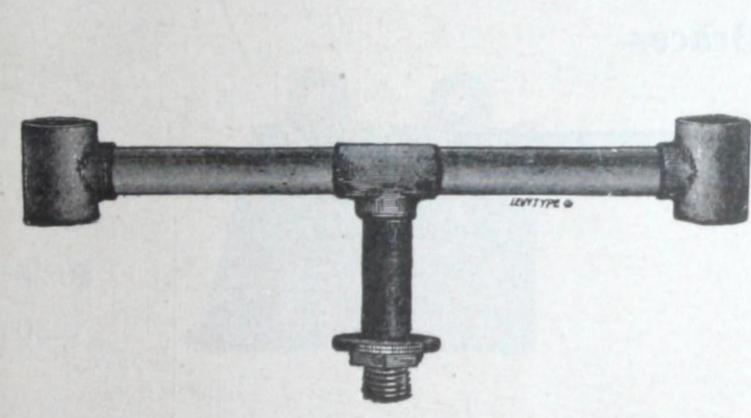
No. 920

Each, \$0.12



No. 916

Each, \$0 15



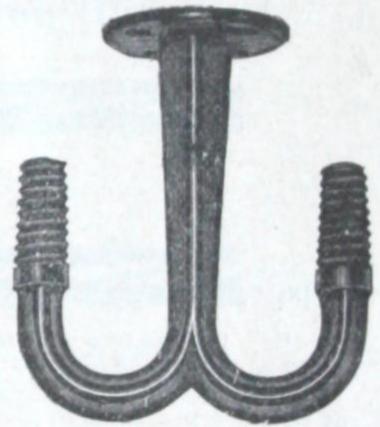
Break Arm.

Each, \$0.75



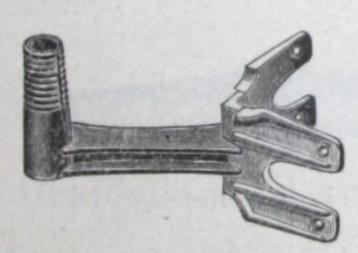
No. 1013

Each, \$0.20



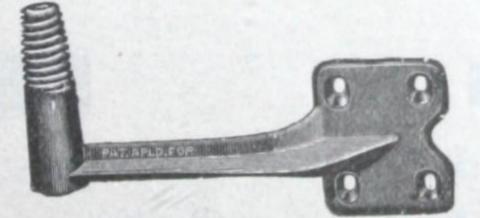
No. 1014

Each, \$0.24



No. 1027

Each, \$0.23



No. 1012. Left.

Each, \$0.18



No. 1011. Right.

Each, \$0.18

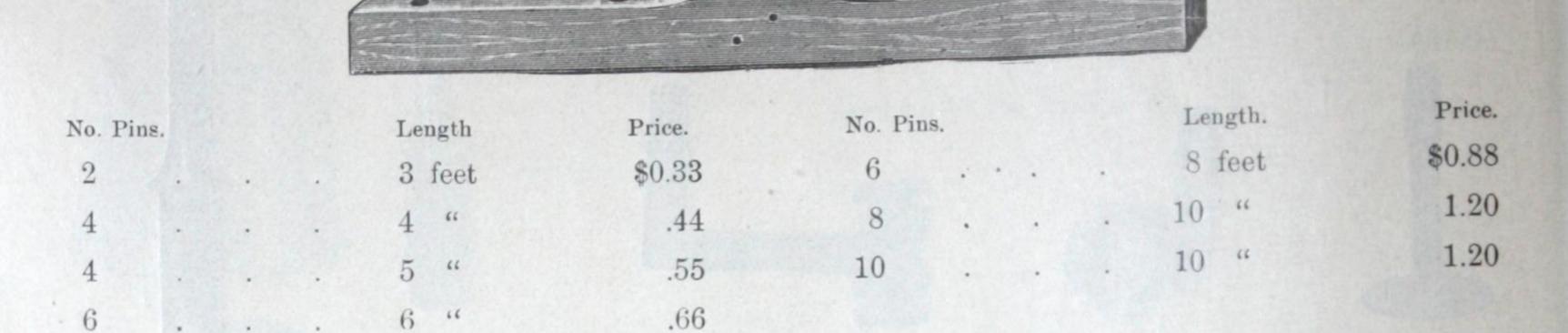
## Wooden Tree Insulators



#### Hawken's Patent.

Sizo 3 v 19			\$0.28	Size, 5 x 18,			.36
Size, $\frac{3}{8} \times 12$ ,			.33	" 3 x 18,			.38
" $\frac{3}{8} \times 18$ ,			29	" 11 x 18.			.48

#### Cross=Arms



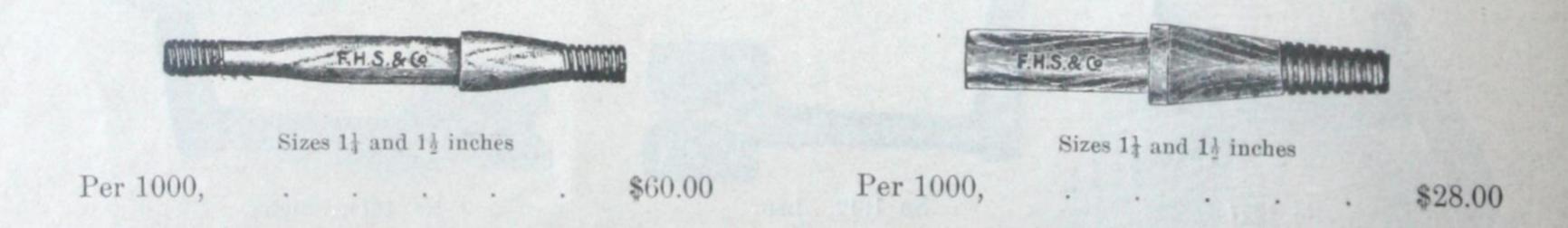
#### Cross=Arm Braces

Holes  $1\frac{1}{4}$  and  $1\frac{1}{2}$  inches.

Per pair, $1\frac{7}{32} \times \frac{7}{32} \times 28$ in., black, .						\$0.25
" " $1\frac{7}{32} \times \frac{7}{32} \times 28$ " galvanized,						.30

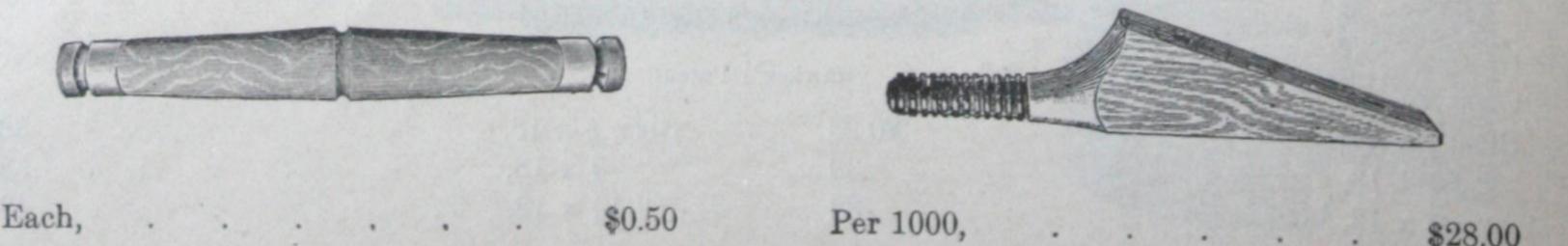
#### Double End Locust Pins

#### Locust Pins

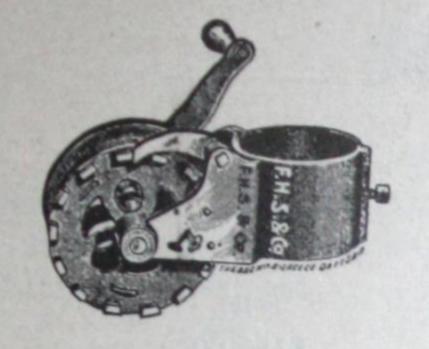


#### Spread Arm

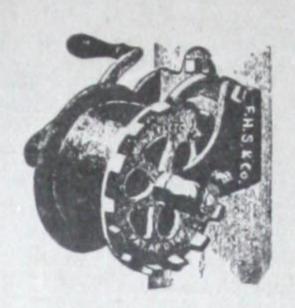
## Painted Oak Brackets



#### Iron Pole Windlass



Wood Pole Windlass	Wood	Pole	Wind	lass
--------------------	------	------	------	------



Price, each,			\$4.00	Price, each, .			\$3.00
Handles, each,			1.00	Handles, each, .			1.00

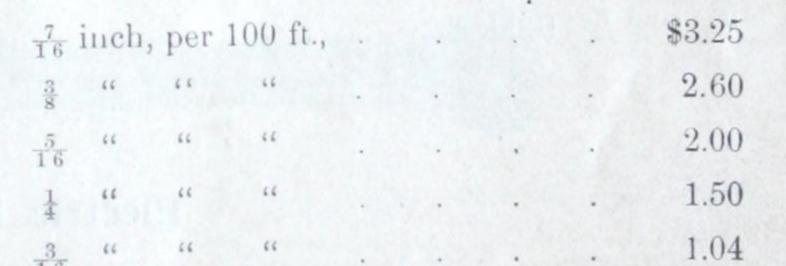
#### Fletcher Sleet Proof Pulleys



Medium,	for	1 2	inch rope,		\$0.75
Midget,	"	1	"		.50
Jumbo.	"	1	"		1.00

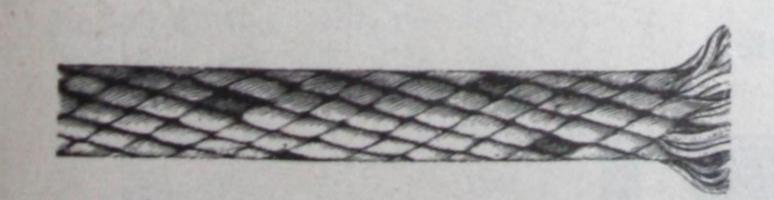
### Galvanized Iron Guy Rope





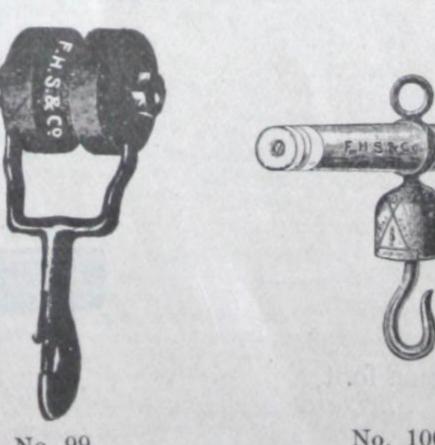
## Braided Arc Lamp Cord

(Cotton.)



1	inch	diam.,	about	45	ft.	to lb.,	\$0.50
5 16		"	"				.50
30		"	"	20	"	"	.50

### Insulated Lamp Hangers



No. 99.		1	No. 100	).	
To. 99, price,					\$0.50
" 100, "					1.00

## Braided Rubber Covered Wires.



No	0 1	e and	0 -	- 1000							Solid.	Stranded.
44	0, 1	o. and		er 1000							\$185.00	\$210.00
	2,	44	"	1000	"						114.00	135.00
	6.	ш	"	1000	11				CALIF		68.00	85.00
	8,	is	"	1000	44						45.00	55.00
	10,	"	"	1000	"						30.00	40.00
	12,	.66	**		"						24.00	30.00
	14,	"	44	1000	11		*				18.00	
	,			1000		100				12	12.00	

## Rubber Covered Fixture Wire.

(Thin Insulation.)

								feet,	1000	per	14,	No.
\$11.50			*						1000			
10.00	BAS								1000			
9.50												

## Electric Light Wires.



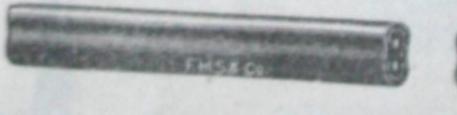
FIREPROOF.

WEATHERPROOF.

FIRE AND WEATHERPROOF.

MAGNET WIRES.

## Lead Cable.



No. 18, twin, per foot,											
" 16, " "											\$0.10
" 14, single, " " 12, " "											.12
14,											.08
		0	ther	sizes	on	applie	cation				.10

## Show Window Cord



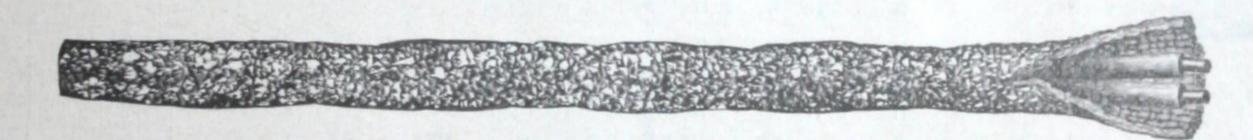
Show Window Cord is ordinary	lamp cord covered outside with a	ubber insulation and then
braided. It is very flexible and suitable	for many uses. Samples on applic	eation
No. 12 Cotton, per 1000 feet,		\$145.00

	Cotton,	-									\$145.00
	"										102.00
	"						in the				68,00
18	"		1000	"		1					56.00

#### Juted Deck Cable

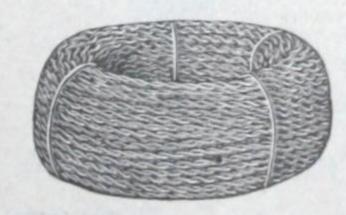
No.	8,	per	1000	feet,											\$250.00
	10,		1000						Julian	ins"	The second				195.00
			1000			. ,	100					• ,		7.0	180.00
			1000												130.00
			1000			1									85.00
	18,		1000							1	10.11		,		70.00

#### Canvasite Cord



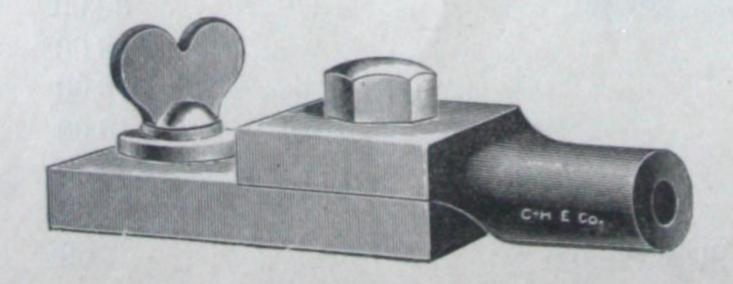
No. 14, per 100 feet,							CK BANK	\$14.00
" 16, " 100 feet,								10.00

### Incandescent Lamp Cord



No.	20	Cotton	Cord,	per	100	yards,										\$7.00
"	18	"	"	"	100	"										9.00
"	16	"	"	"	100	"										12.00
"	14	"	"	"	100	"										21.00
"	12	"	"	"	100	"										32.00
"	20	Silk	"	"	100	"						47				12.00
"	18	"	"	"	100	"										16.00
"	16	"	"	"	100	"										19.00
"	14	"	"	"	100	"										29.00
"	12	"	"	"	100	"										40.00
"	15	"	"	"	100	"	fireproo	fanc	d rub	ber i	nsulat	ion,			*19	32.00

		ointe	ed C	onne	ectors	for	Heav	vy C	Cond	ucto	rs.	
	J	OHILL		1 :	h word							\$1.10
	Cross Con	nnection	on for	1 1nd	en roa,							2.00
	"	"	"	8	"							2.50 3.50
	"	"	"	5 8								4.50
	"	6.	"	34	"							
	"Tee" or	"V" (	onne	ction	for 1 in	ch ro	1, .					.90 1.50
	"Tee or	"	"	00101	11 3 8	"						1.75
	"	"	"		" 1/2	"		2				2.50
	6	"	"		11 <u>5</u> 8	"						3.50
	"	"	"		4							.70
	Straight	Conne	ection	for 1/4	inch re	od,						1.00
	"			8	- "				H.			1.20
	"	"		" ½	"							1.60
	"	"		16 8 16 3	. "							2.40
		atal	3 31	4		~						
					Solid	Con	necto	ors				1 62
	"T" Con	nector	s for	1 inc	h rod,						. 100	.50 .75
	"	"	"	3 8	"							
	"		"	1/2	"							1.50 2.00
	"	"	"	8	"					1		2.50
	4.	"	"	34	"							
	"L"	"	"	1	"							.45 .70 1.40
The same of the sa	"	"	"	8	"							1.40
	"	"	"	2 3	"							1.60
			"	4	"							.35
	Straigh	t "	"	4 3	"							.60
68	"	"	"	8	"							1.30
	"	- "	"	5 8	"							1.70
	"		"	34	44							2.60
					****							
00 00					Wire	Con	nect	ors.				
					T	wo So	erews.					
	For No	18 W	Tire.	P. TR								\$0.12
	11 11	14	"									.14
	"	12	"		1							.14
	" "	10	"									.14
		6	"									.16
												.10
					F	our S	crews.					
	For No	4 W	Vire									90.20
FHS & Co	" "		"					001				90.00
		4	"				The state of	aut.				.30
		0										.32

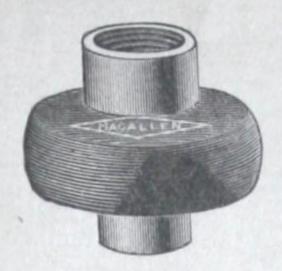


## Switch Lugs

Prices on Application.

## The Macallen Solid Mica Chandelier Joints

(Combination or Blank.)



Size.		C	ОМРО	SITI	ON E	BRAS	S.	Price.	Size.		1	MALL	EAB	LE II	RON.	Price
3 X	1,							\$0.50	3 X	1/8,				1		\$0.45
3 X	1,							.50	3 X	1,						.45
3 X	3,							.50	3 X	3,						.45
1 X	1,							$.66\frac{2}{3}$								
1 X	1,							$.66\frac{2}{3}$	1 X	1,						.60
1 X	38,							$.66\frac{2}{3}$	$\frac{1}{2}$ X	,						.60
$\frac{1}{2}$ X	$\frac{1}{2}$ ,							$.66\frac{2}{3}$	,	3,						.60
3 X	3/8,							1.00	7	1						.60
3 X	$\frac{1}{2}$ ,							1.00	$\frac{1}{2}$ X	2,						.00
3 X	3,							1.00	$\frac{3}{4}$ X	3						.90
1 x	1,							1.60		$\frac{3}{8}$ ,	1					.90
1 x	$\frac{3}{4}$ ,							1.60	3 X	$\frac{1}{2}$ ,		1.				
1 x	1,							1.60	$\frac{3}{4}$ X	$\frac{3}{4}$ ,						.90
1½ x	1,							3.50	1 v	1						1 45
1½ x	14,							4.00	1 x	2,						1.10
1½ x								5.00	1 x							
								0 00	1. x	1 ,						
										-						

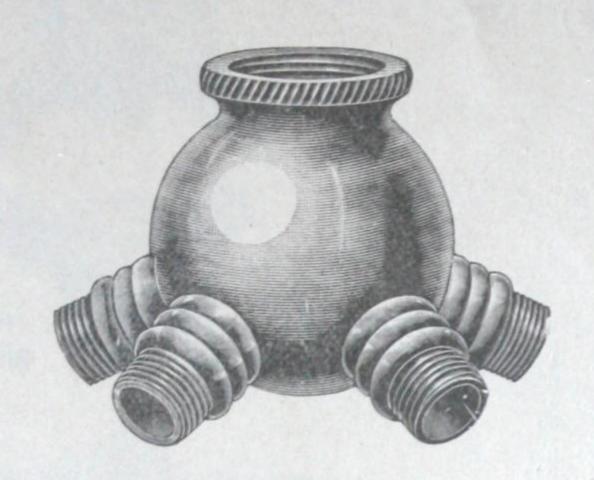
## The Macallen Solid Mica Bracket Joints

	COMPO	STITI	ON RE	ASS	Price.	Size.	MA	LLE	ABLI	IRO	N.	Price.
Size.	COMP	Jalli	ON BI	LADO.	\$0.40	3 X 1/8,						\$0.36
3 X 18,					.40	$\frac{3}{8} \times \frac{1}{4}$						.36
$\frac{3}{8} \times \frac{1}{4}$						$\frac{3}{8} \times \frac{3}{8}$						.36
$\frac{3}{8}$ X $\frac{3}{8}$ ,					.40							50
1 X 1,					.54	$\frac{1}{2}$ X $\frac{1}{8}$ ,						.50
			the an		.54	$\frac{1}{2}$ X $\frac{1}{4}$ ,	1919		. 43			.50
½ X ¼,					.54	$\frac{1}{2} \times \frac{3}{8},$						.50
1 x 3.												

# The Macallen Solid Mica Electrolier or Separable Joints

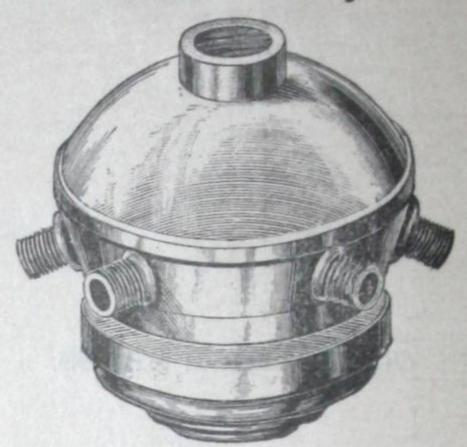
Size	e.				IV.	IALL	EAB	LE IR	ON.					Price. \$0.50	
X	1/8,													.50	
X	1,													.50	
X	3,													$.66\frac{2}{3}$	DI DI
X	1/8,													.663	No.
X	1,													$.66\frac{2}{3}$	
X	3,													$.66\frac{2}{3}$	
X	$\frac{1}{2}$ ,					Due	alzat	Sizes							
						Бга	CKEU	DIZOS						.45	
X	18,			1										.45	
X	1,	In one	loring	r nle	ase st	ate w	wheth	er yo	u rec	quire	comb	inatio	on or l	blank joints,	brass or iron.

#### Cluster Ball



)	light				\$0.40
4	light,				\$0.40
3	"				.48
	**				.50
5	"				.58

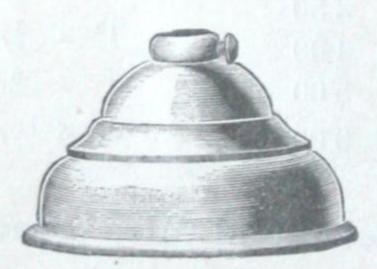
## Cluster Body



2	light,				\$0.60
3	"				.70
4	"				.80
5	"				1.00
6	"				1.20
8	"				1.60
10	"				2.50

### Small Canopy

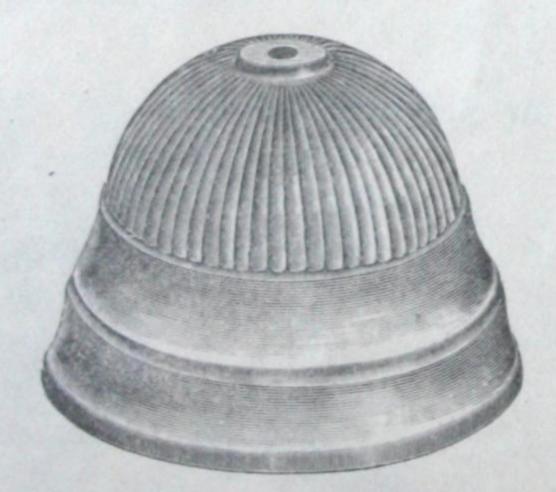
For G. N. Bracket



Price, per dozen,

\$3.60

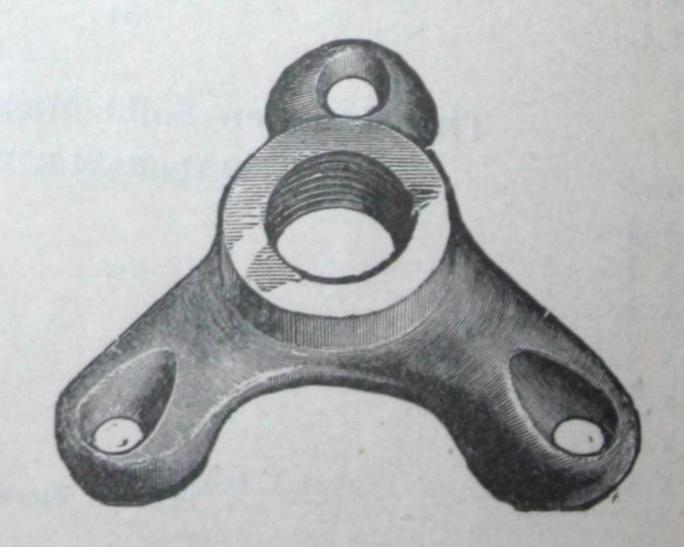
### Large Canopies



For 1, 5, 3 Pipe

			2101	*	1	
Price,	per	dozen,				\$3.60
"	"	"	Split,			7.20

## Crowfoot

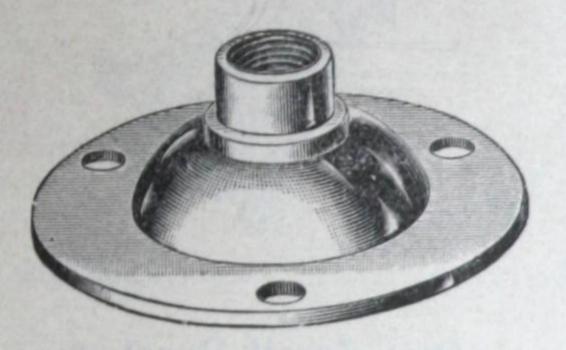


 $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{3}{8}$ ,  $\frac{1}{2}$ ,  $\frac{5}{8}$ , Iron Pipe Thread Per dozen,

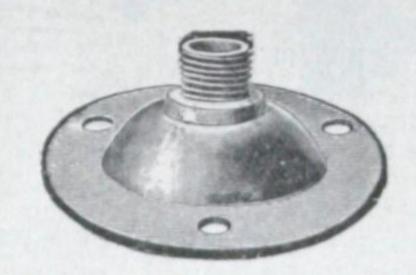
\$0.60

#### Bracket Backs

No. 1.



No. 2.



Female Thread.

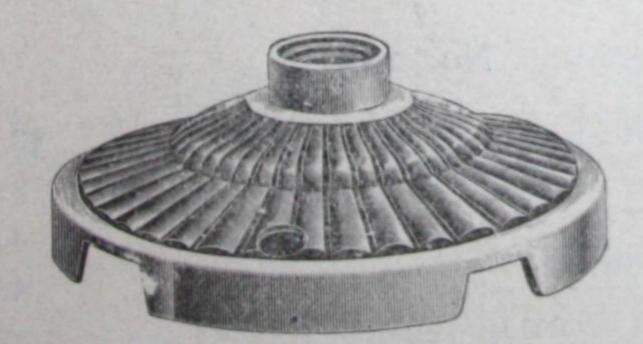
Male Thread.

2 inch,	per dozen,			\$1.20		
14 "	"			1.20	2 inch, per dozen,	\$1.20

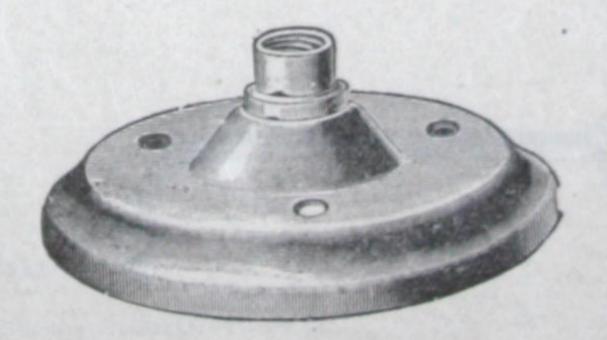
### Small Cast Back



No. 3.



No. 4.

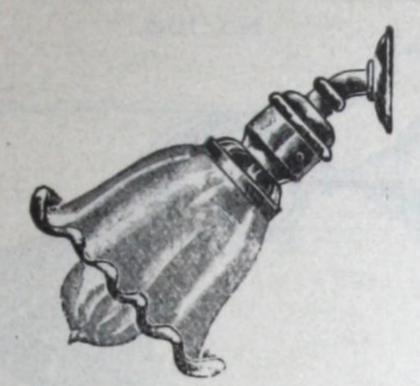


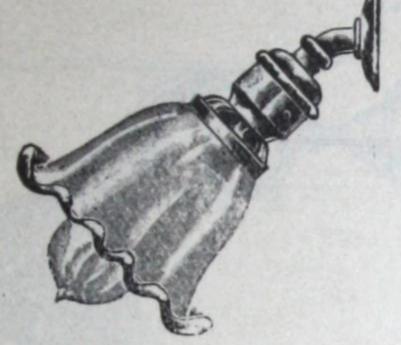
	No. 240, Goose=Neck Brackets (With Backs)
No. 240	2 inch, per dozen,
No. 241	No. 241, One Scroll Bracket 10 inch, per dozen,
No. 242	No. 242, Two Scroll Bracket 10 inch, per dozen, , . \$9.00  Price includes backs
	No. 243, Snake Bracket Price, per dozen, \$7.20
No. 243	No. 245. 4 inch. per dozen,
No. 245	6 " " \$3.40 8 " " 3.60 10 " " 4.30

4.80

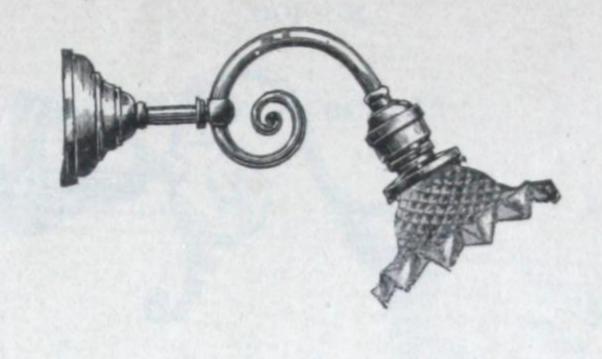
No. 157 Bracket

No. 170 Bracket





 $2\frac{1}{2}$  in., with back,

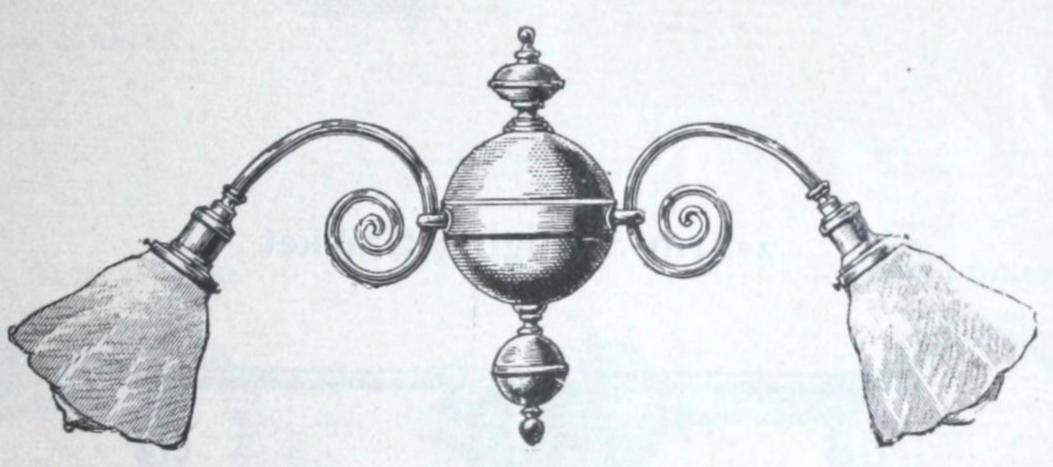


\$0.40

With Canopy and Crowfoot, .

\$2.50

No. 180 Bracket

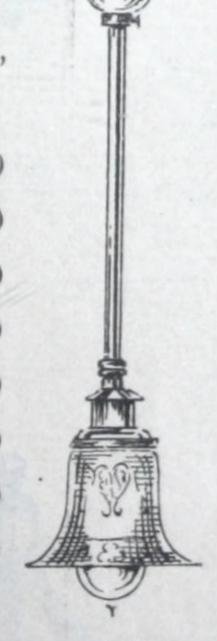


Each, \$7.00

## Drop Lights

§ in. Polished Brass Tube, with Canopy, Crowfoot and Socket Nipple.

				P	L.c.		
6	in.,					\$1.20	
12	"					1.40	
18	"					1.60	
24	"	19.X	ani		e de la	1.80	
30	"		Sec.		,	2.40	
36	"					2.60	
48	"					3.00	
60	"					3.40	1



## Drop Lights

3 in. Polished Brass Tube, with Canopy, and Crowfoot.

6 in.,					\$1.10
12 "					1.35
18 "					1.50
24 "	NA PAR	ania)	nive:		1.80
30 "		1			1.90
36 "				0.	2.00
48 "					2.30
60 "					2.60

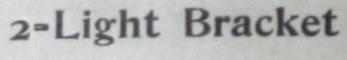
#### Polished Brass Pipe

Polished and threaded on each end, (Outside measurement.)

5 inch, per foot, 3 " "									\$0.35
3 " "			22.01						.30

### Bracket

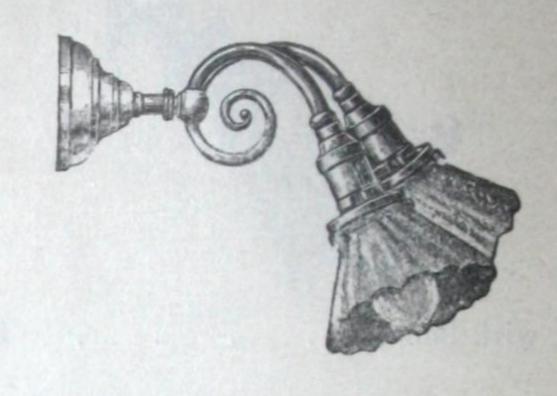
No. 106.



No. 105.

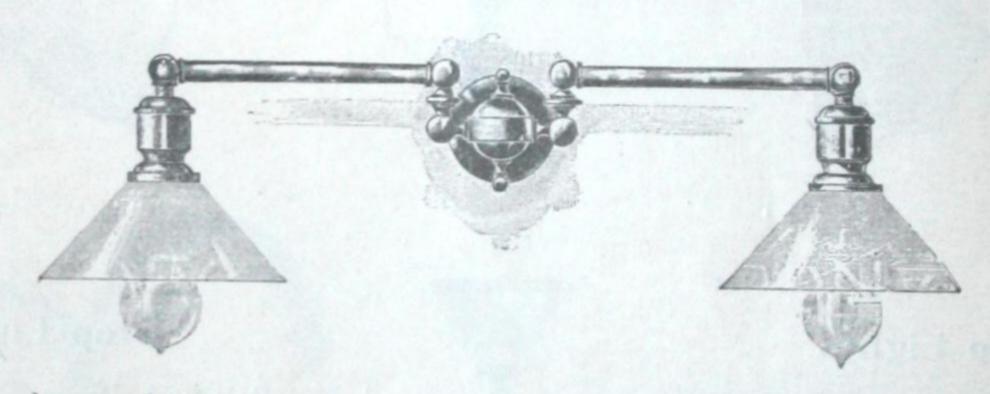


Price, \$2.50 Price,



\$2.00

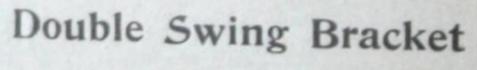
## 2=Arm Swinging Bracket



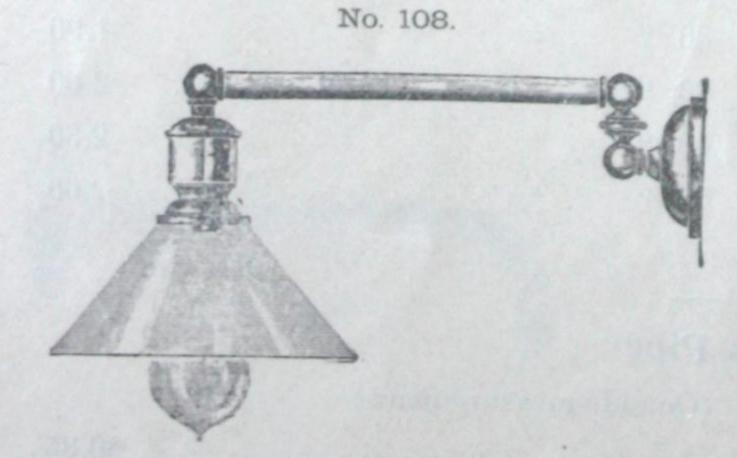
Spread, 24 inches, each,

\$7.50

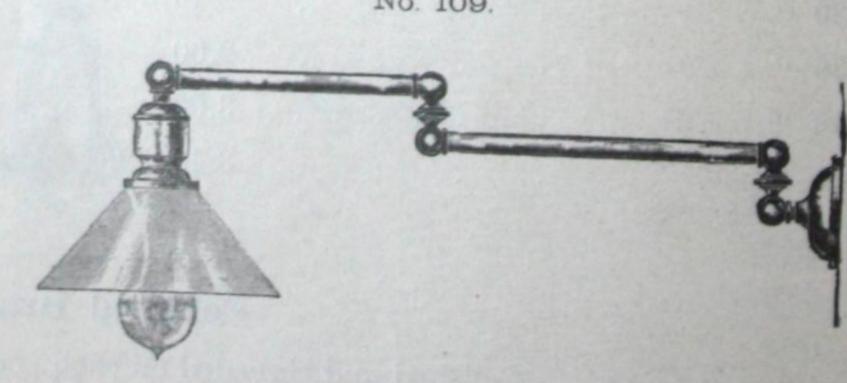
## Swinging Bracket



No. 109.

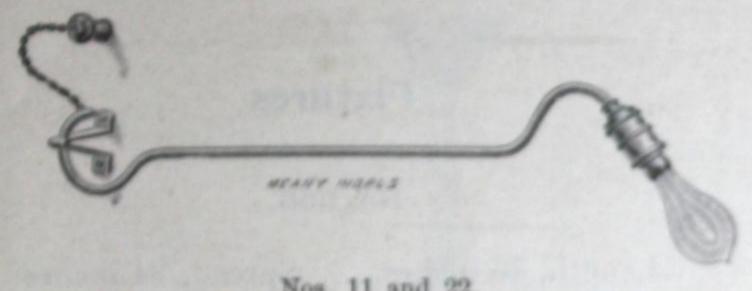


12 in. swing, each,



\$2.50 24 in. swing, each,

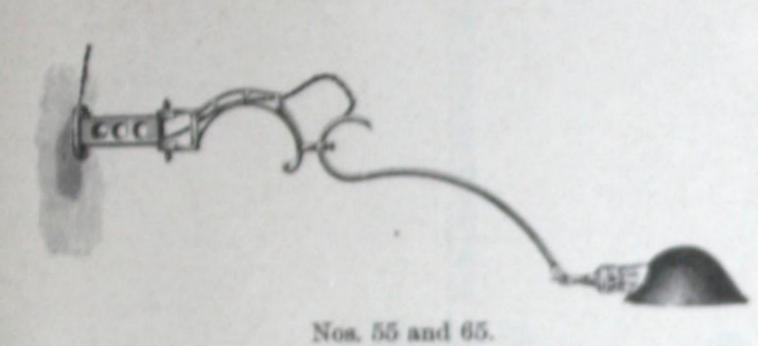
\$4.00



### Adjustable Brackets

No.	11,	16 i	nches	long,	each,		\$0.80
11	22,	24		14	16		.90
4	55,	34	16	11			3,25
	65,	55	**	**	16		4,50

Nos. 11 and 22.



No. 2420 Bracket.



10 inch, with Canopy and Crowfoot, Each, . . . . \$1.50 No. 2400 Bracket.



10 inch, with Canopy and Crowfoot, Each, . . . . \$1.00

No. 187. Switchboard Bracket.



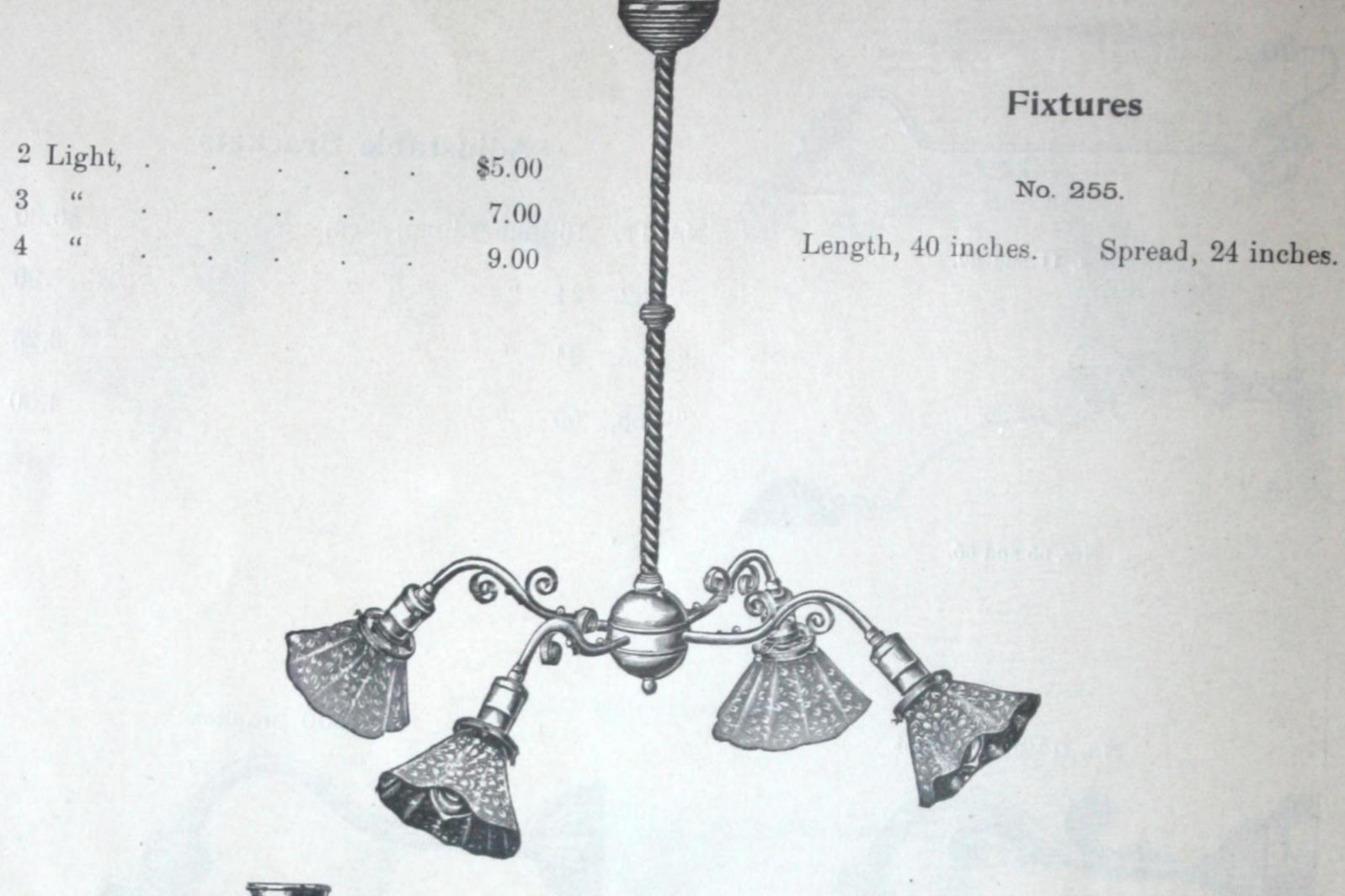
With Canopy and Nuts for attaching, 1-light, . . . . .

\$2.75

No. 188. Switchboard Bracket.



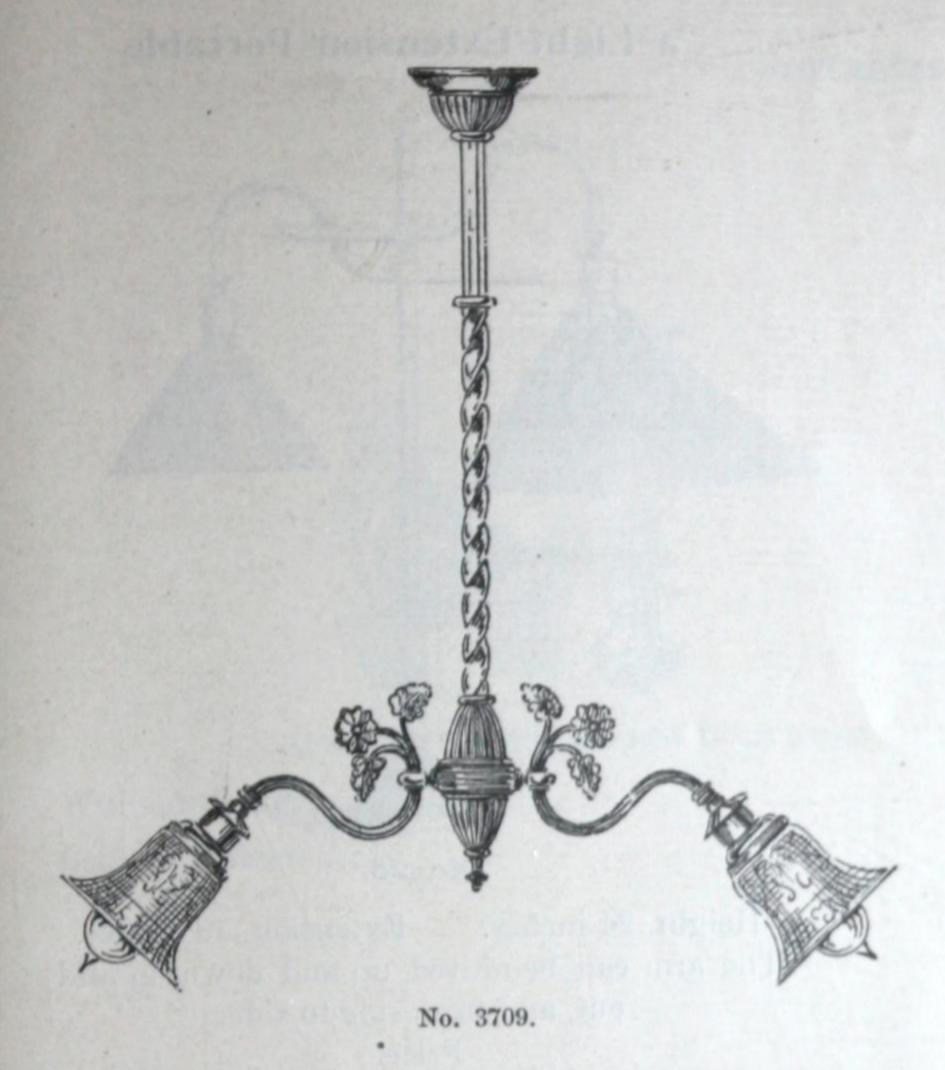
With Canopy and Nuts for attaching, 2-light, . . . \$3.25



## 

No. 253.

No. 200.



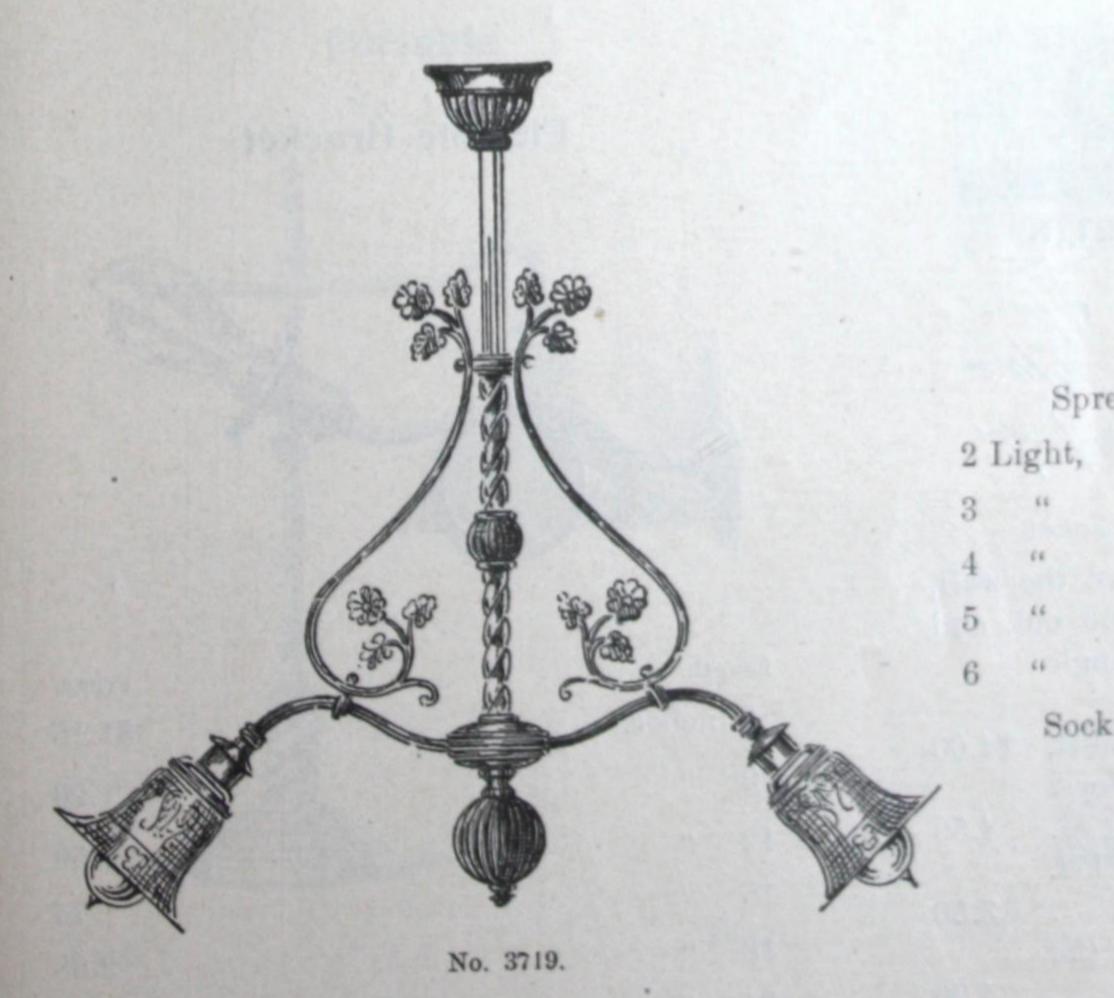
#### **Fixtures**

No. 3709.

Spread, 24 ins. Length, 36 ins.

2 I	light,			\$6.00
3	1.6			8.00
4	**			10.00
5	66		1.1	12.00
6	66			14.00

Sockets and Shades not included.



Sockets and shades not included.

No. 3719.

Spread, 24 ins. Length, 54 ins.

\$8.00

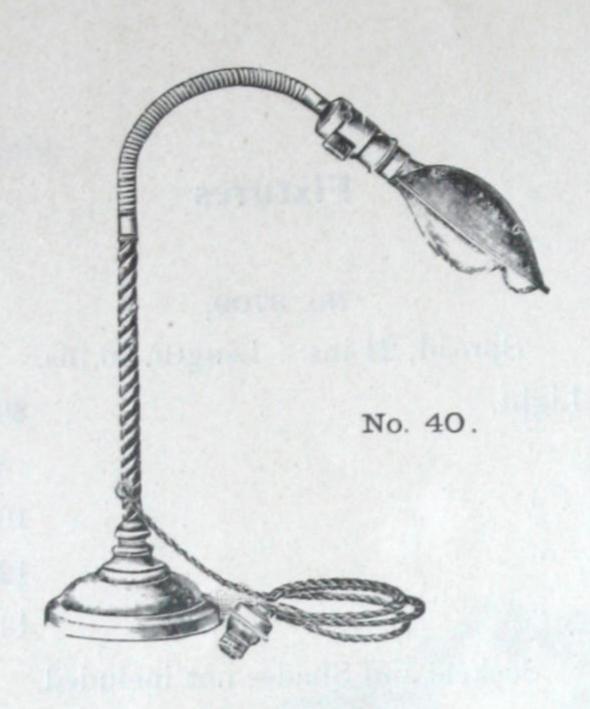
10.00

12.50

15.00

17.50

#### Flexible Portable



Price.

Portable only, . . , . \$5.00

#### Adjustable Shades

For Bulletin Boards, Pictures and Desks.

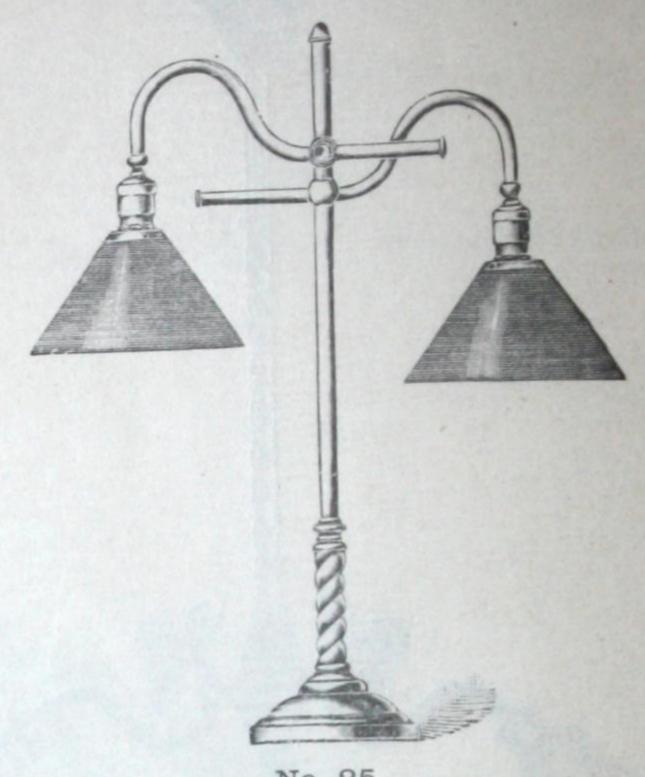


No. 754. With Extension Bracket.

The bracket is screwed against the wall, and the arm can be moved in and out, and the shade can be adjusted at any angle.

	PRICE LIST.	
No.	754, Shade, with extension bracket,	\$4.00
"	755, " same as No. 754 (for 2	
	lights),	
***	758, Shade, with curved bracket.	
	No extension,	3.50
**	759, Shade, same as No. 758 (for	
	2 lights.) No extension, .	4.00

## 2=Light Extension Portable



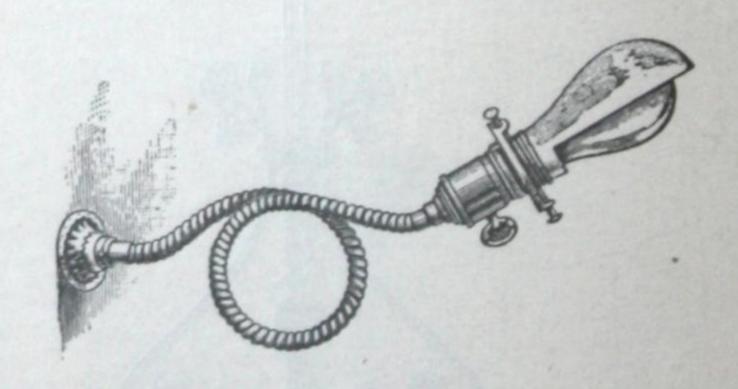
No. 25.

Height, 24 inches. Extension, 18 inches.

The arm can be moved up and down, in and out, and from side to side.

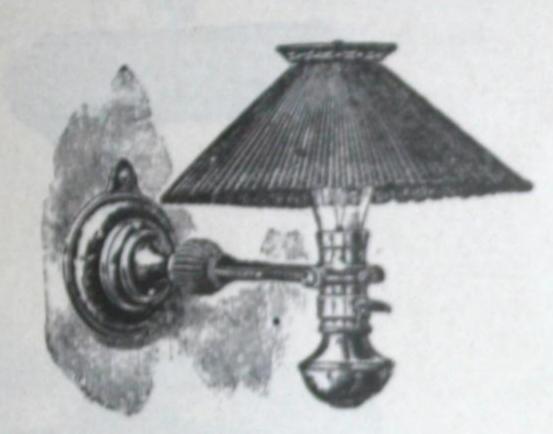
Price.

#### Flexible Bracket



Leng	th.				Prices.
	nches,				\$1.15
9	"				1.26
12	"				1.50
15	"				1.74
18	"	-0.0			2.08
24	" .				2.70

### Portables



Combination Bracket and Desk Lamp

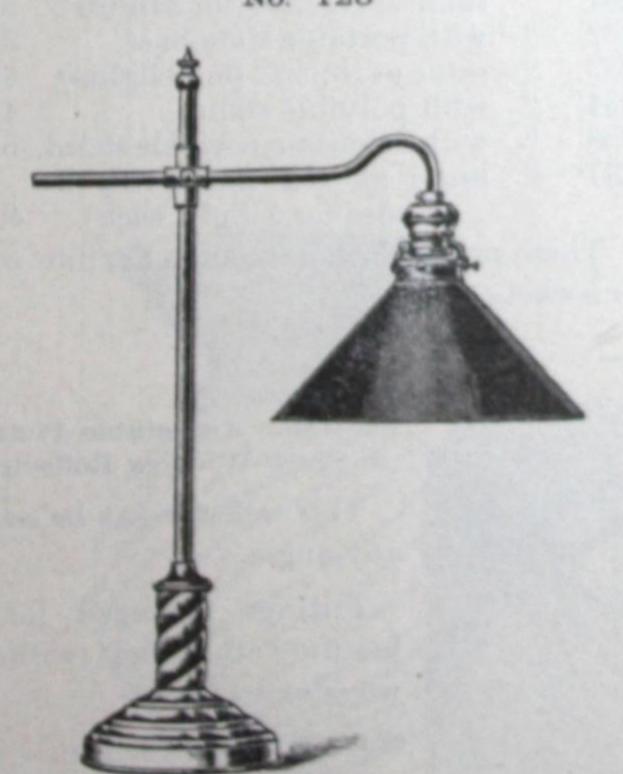


\$6.00

1.00

## Portable

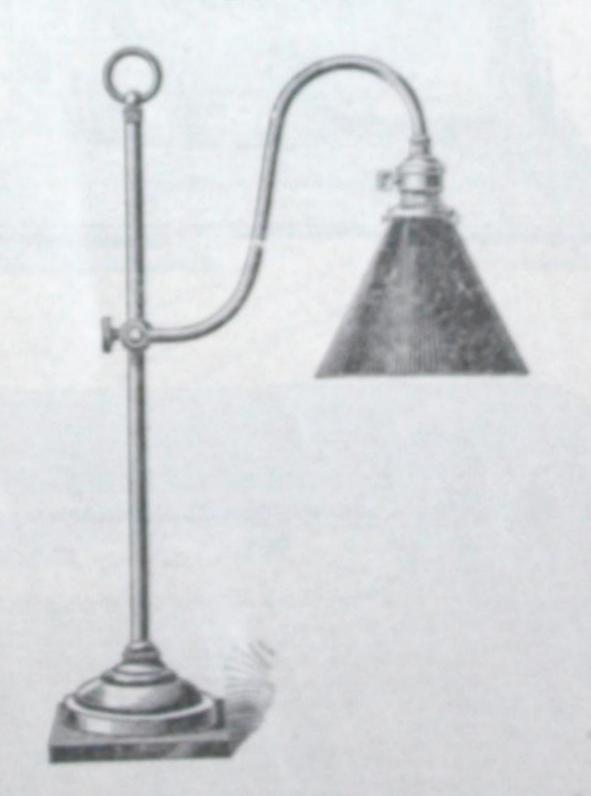
No. 125



\$6.0

## Portable

No. 104

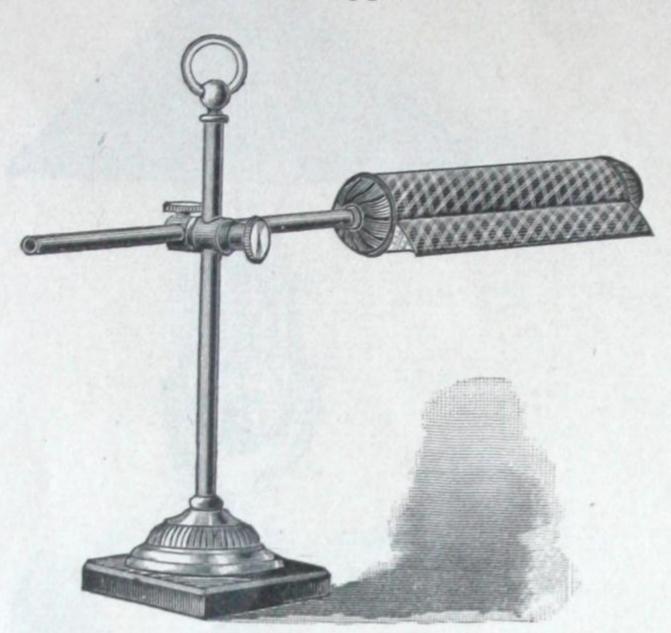


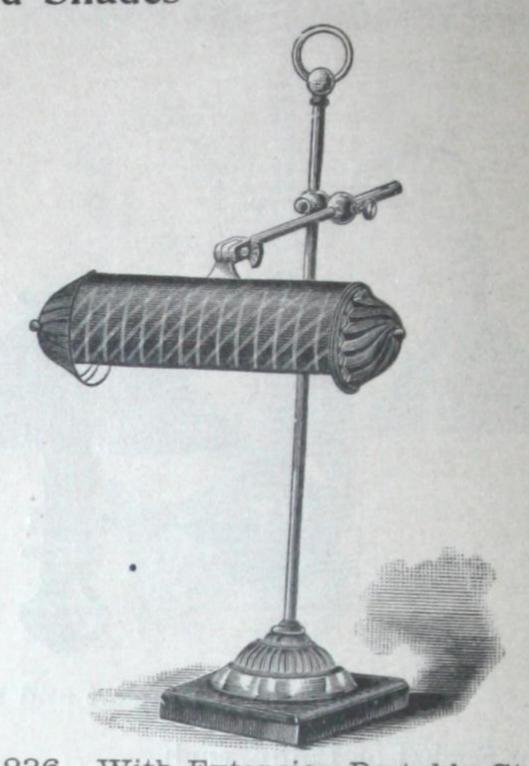
Each

\$6.00

#### Adjustable Portables and Shades

For Pulpits and Typewriter Desks.





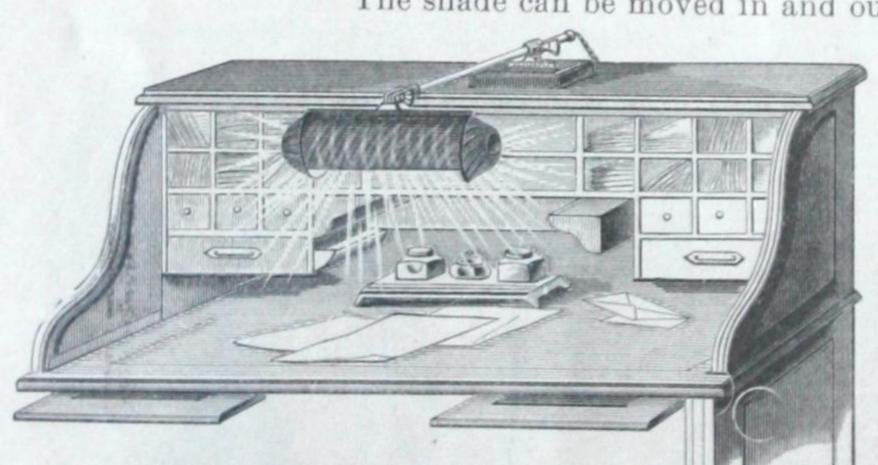
No 236. With Extension Portable Stand.

The arm can be moved up and down, in and out, and from side to side, and the shade can be adjusted at any angle. Price, . . \$5.00

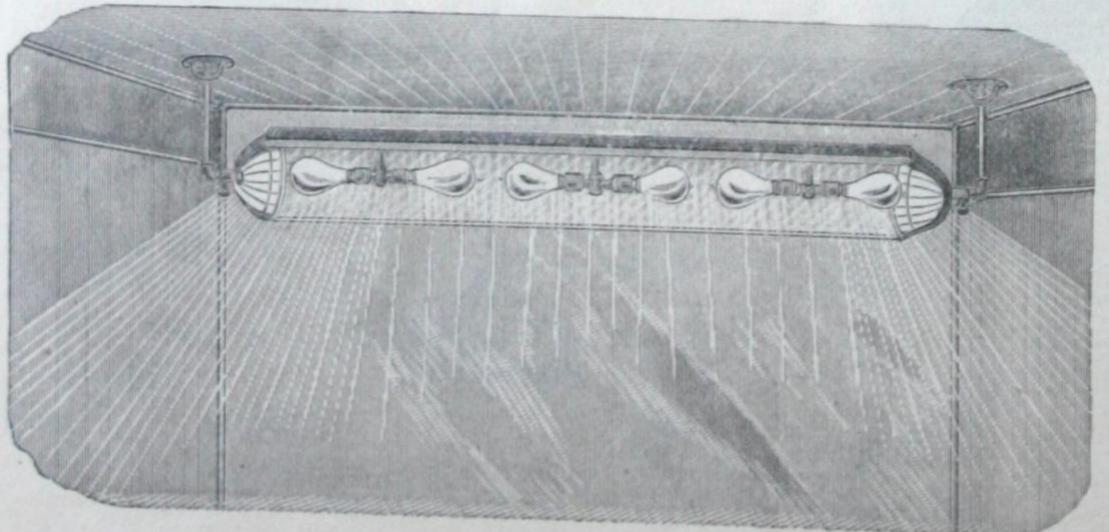
### Shades for Rolling Top Desks

No. 232. With Portable Slate Base.

The shade can be moved in and out and set at any angle.



230	Shac	de, with fittings to screw on top	44
201	"	of Desk,	\$3.00
231		same as No. 230 (for 2 lights),	3.50
232	"	with portable slate base,	
233	"	samo as No 222 (f. 21: 1.)	3.50
		same as No. 232 (for 2 lights),	4.00
234	66	with portable stand,	4.50
236	"	arrath	
237	"	same as No. 236 (with 2	5.00
		shades for 1 light each),	8.00
Th	1000	prices do not include flexible	



No. 239. Adjustable Picture or Show Window Reflector.

This reflector can be set at any angle.

Fittings arranged for 1 lamp to the foot (without wires or sockets).

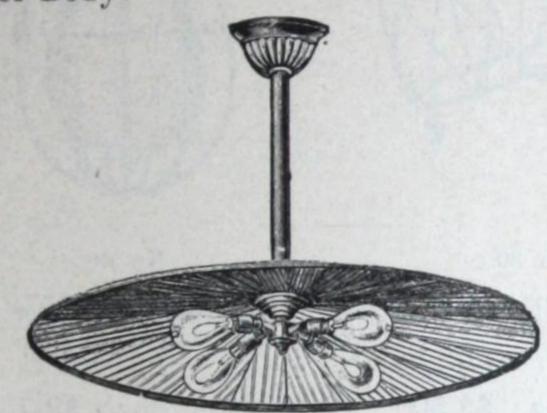
No. 239 measures 6½ in. diameter. Per foot, \$2.00 No. 239½ measures 4 in.

diameter. Per foot, 1.80

# Flat-Concave Reflectors for Clusters

For Lighting Show Windows, Factories, Stores and Offices.

These styles are made of Corrugated Silvered Glass and of Plain Mirror, and include a stem 18 inches long, with Canopy, Tripod and Cluster Body.



No. 717.

No of Complete with Deflector

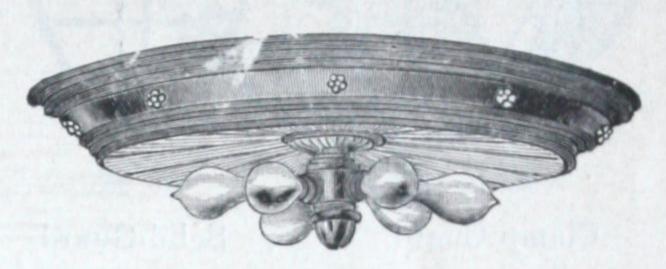
Silvered Glass Flat-Concave Reflectors.

Diam	eter		Lights.	Fixtures.	Only.
18 in	nch,		3	\$5.50	\$4.00
20	"		4	6.50	5.00
22	"		6	7.50	$6.0\overline{0}$
24	"		8	8.50	6.80
30	"		10	11.50	9.50
					and the same of

# Flat=Concave Reflectors for Clusters

For Lighting Stores, Offices, Etc.

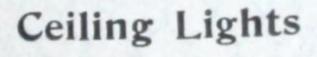
These styles are made with a Corona around the edge to fit against the ceiling. The corona is finished in either Polished Brass or Aluminum Bronze. The reflectors are made of Corrugated Silvered Glass and of Plain Mirror.

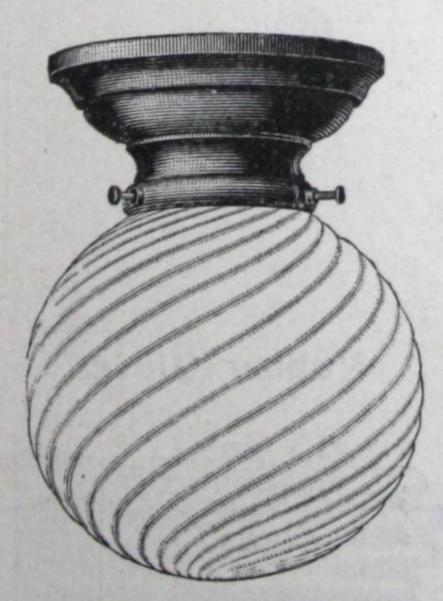


No. 691.

Silvered-Glass Ceiling Flat-Concave Reflectors.

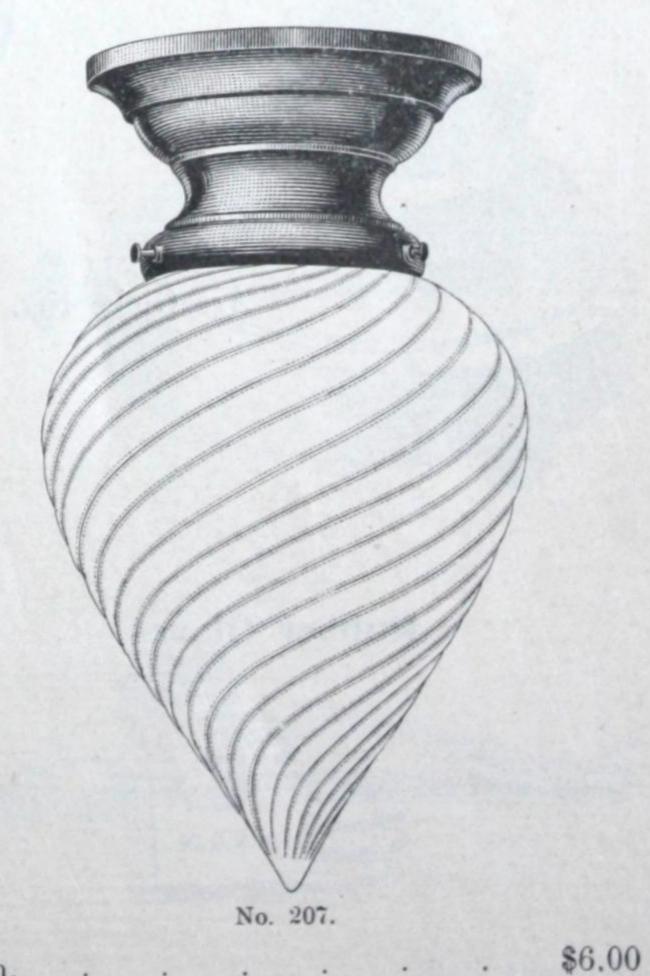
Diameter of Re"ector.	Spread of Corona.			Aluminum Bronze.
18 inch,	22 inch,	3	\$12.50	\$10.00
20 "	24 "	4	14.00	11.50
22 "	261 "	6	16.00	13.00 .
25 "	30 "	8	20.00	17.00





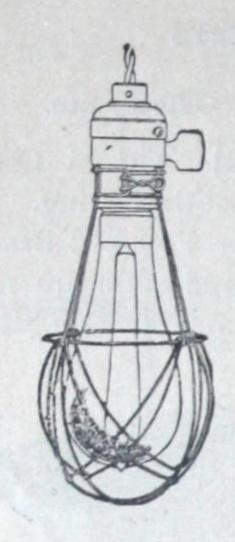
No. 205.

Each,



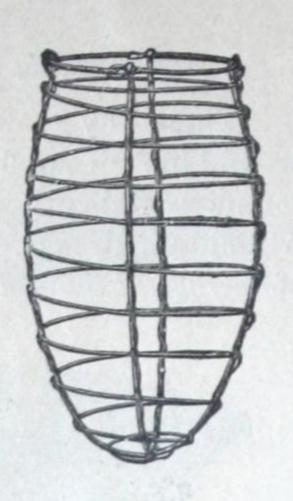
. \$4.00 Each, . . . . . .

#### Wire Guards

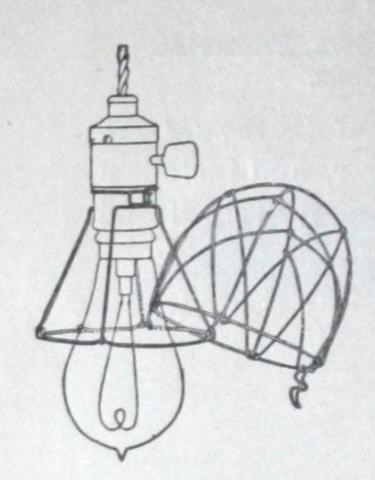


No. 10. Clamp Guard.

Per doz., \$2.00

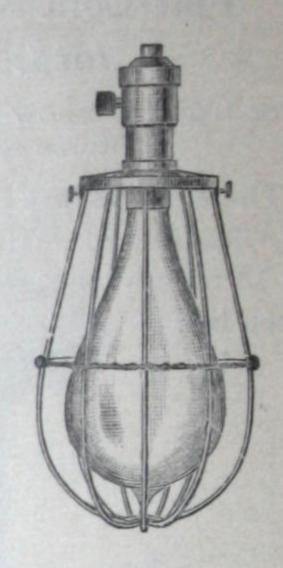


No. 20. Solid Guard. for 31 Shade Holder. Per doz., \$2.25



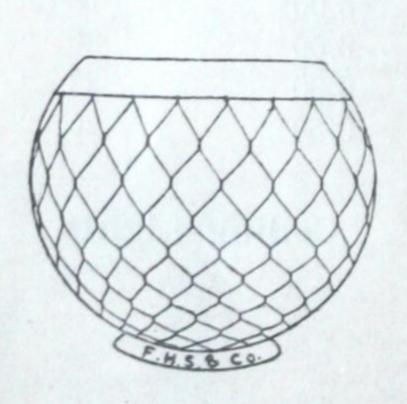
No. 30. Opening Clamp Guard.

Per doz., \$2.50



No. 40. Fits 21 Holder.

Per doz., \$2.75



No. 7207.

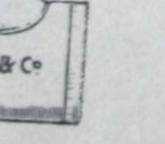
Arc Globe Net,

. . . . \$0.30. For any sized globe.

#### Rubber Gloves

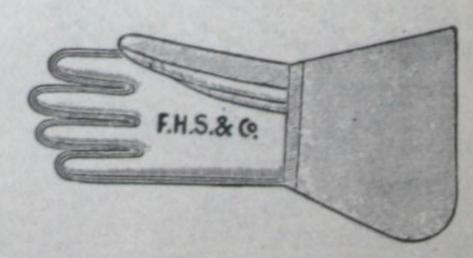


Without Cuffs,



. . \$3.00

## Rubber Gloves

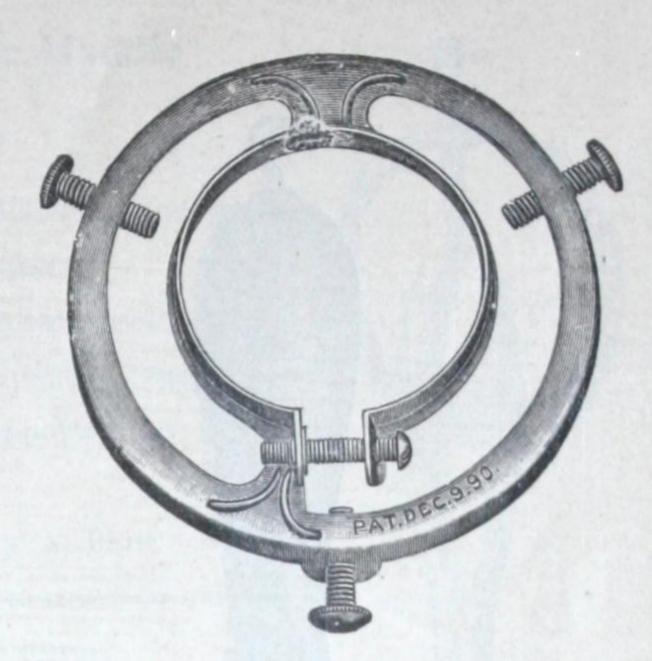


With Cuffs, .

\$4.00

### Shade Holders

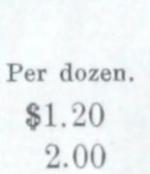
				Per dozen.	Per gross.
21 in.,				\$1.20	\$ 7.50
34 "				2.00	13.00
4 "				2.50	
Gas,				2.00	



### Special Holder

For Weatherproof Sockets

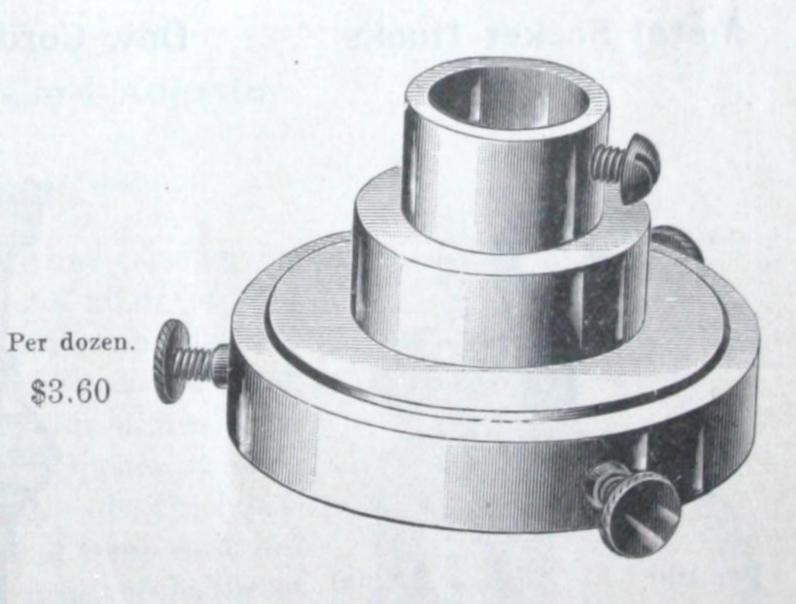
						Per do
2½ in.,						\$1.2
31 "						2.0





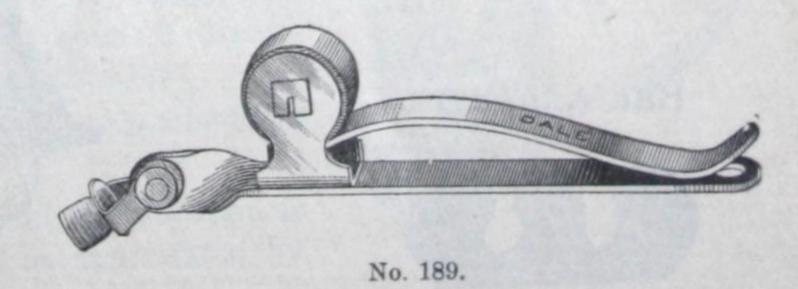
### Pipe Shade Holders

To fit 5 and 1 Brass Pipe.



### Desk Clamp

For attaching to pigeon-hole of roll-top desk. \$0.70



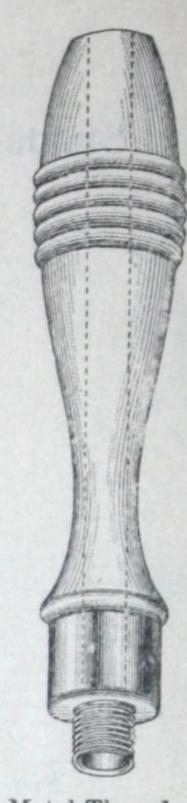
#### Socket Handles





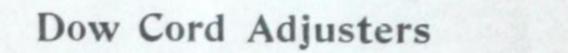
E.H. S. & Co	
Dlain Wood	

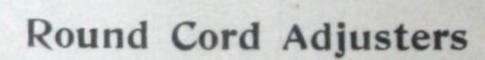
Plain Wood.



Hook	ζ.		Pla	ain Wo	od.		Metal '	Thread		
Hook, per 100,										\$25.00
Plain wood, per 100,										2.00
With metal thread, per	100,									5.00

#### Metal Socket Hooks



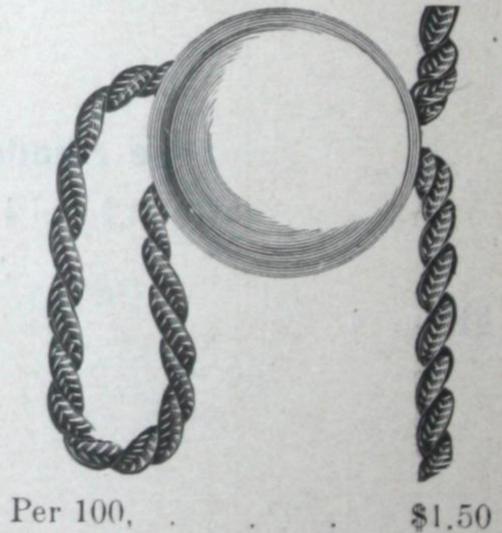




Per 100, . \$15.00



Each, \$2.00



\$1.50

#### Bar Adjusters



Per 100, . .

\$2.00

## Dumb Bell Adjusters

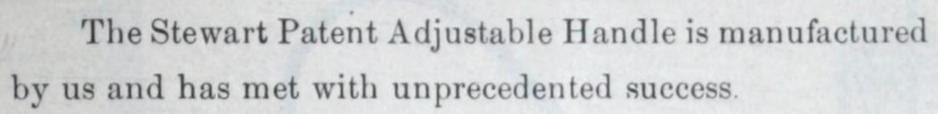


Per 100, .

\$1.50

#### Stewart Patent Adjustable Handle

(Patented June 20, 1899.)



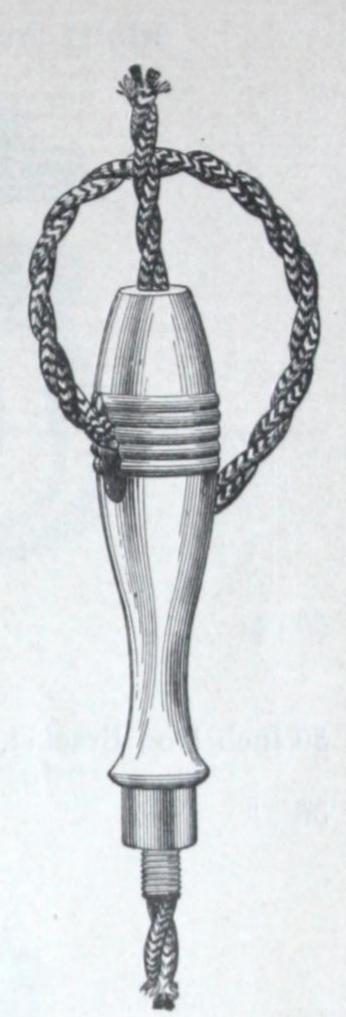
It is the only device made which takes absolutely all strain off socket connections as the suspended weight of lamp, socket, shade, etc., is entirely supported by the V shaped slot.

Fuses in ceiling rosettes are not so apt to blow because there can be no sagging on socket connections which reduces danger of short circuit in socket to a minimum.

It is made of selected extra fine hard wood and has a metal ferrule and nipple to fit the standard \frac{1}{8} socket.

It also acts as an adjuster and grips any size cord.

With	metal	thread	for	18	socket.	Per 100,	of the s	\$8.00
"	wood	"	"	300	"	"		8 00



## Stewart Patent Cord Adjuster

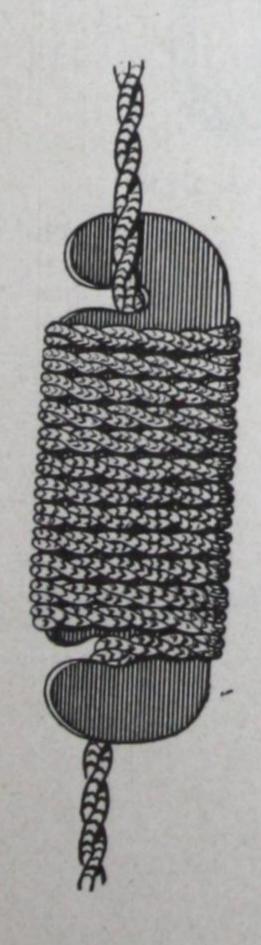
(Patented August 21, 1900.)

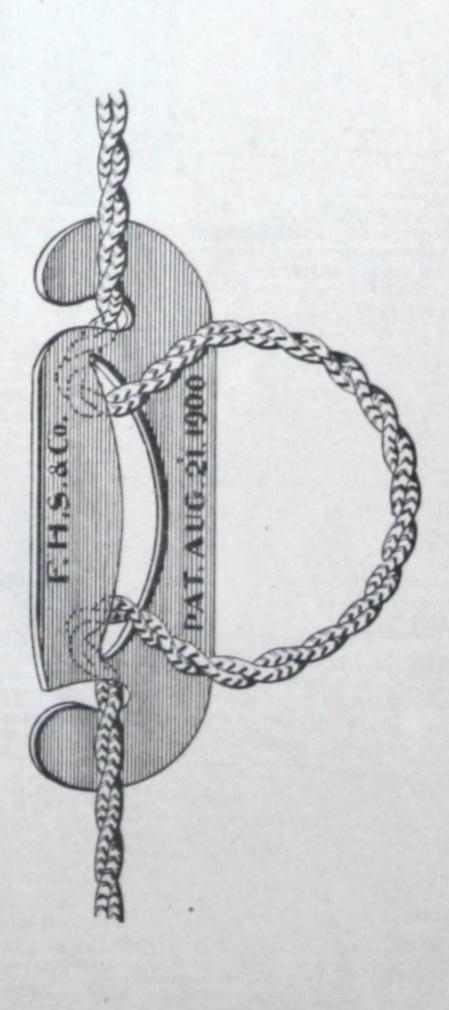
In the past we have had considerable trouble with the various kinds of cord adjusters. The chief difficulty has been that they would take but one size of cord. We entirely overcome this difficulty in the Stewart Patent Cord Adjuster by using a slot converging at both ends, which permits the use of any size of lamp cord and securely locks itself by means of the throat at each end. The adjuster is one that can be used after lamp is suspended, thus saving time and annoyance of disconnecting cord. It is made of fibre.

The cuts illustrate two methods of adjustment.

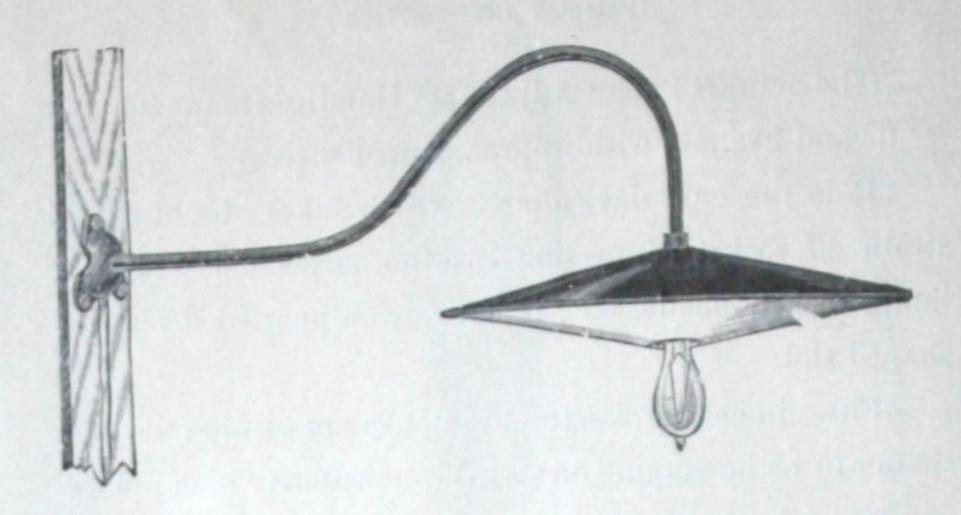
The application of the adjuster is very simple and will be appreciated by all.

Price, per 100, . \$2.00





## Street Bracket

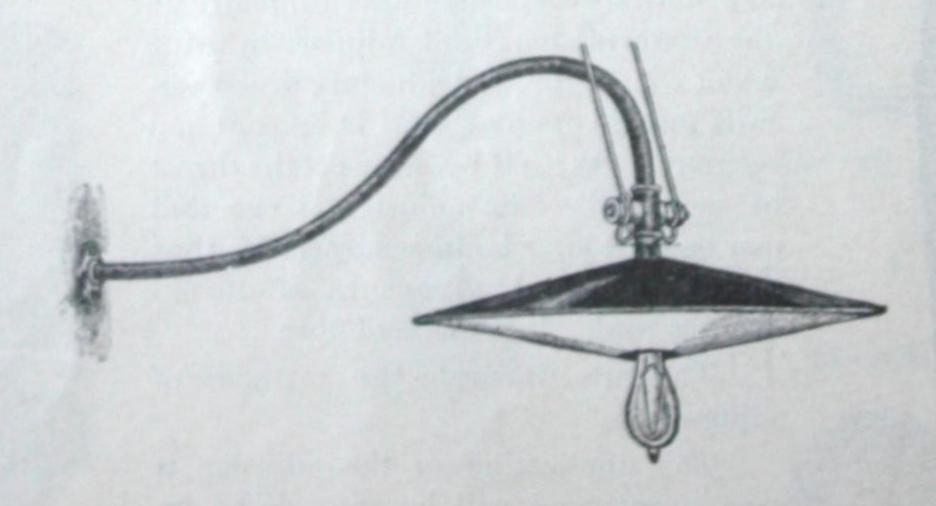


30 inch Iron Bracket,	\$0.75	15 inch Reflector, .		\$0.75
DO IIICII ZIONI	95	15 " Deflector, .		.85
26 11 11 11	 .00	10		

Note.—In ordering, state whether wanted to take 3 or 1 socket.

## Street Bracket

STYLE A.



• Made to take § inch socket.

15 inch Hood, complete with bracket, \$2.75.

# Vapor Proof Globe



#### Weatherproof Globe



Each,

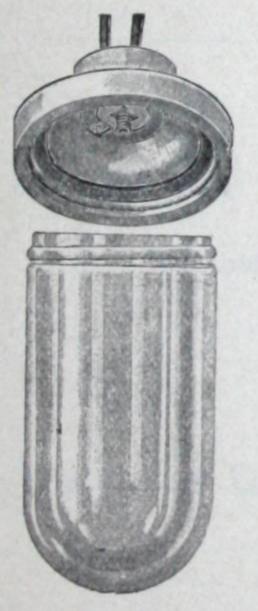
\$1.50

Each,

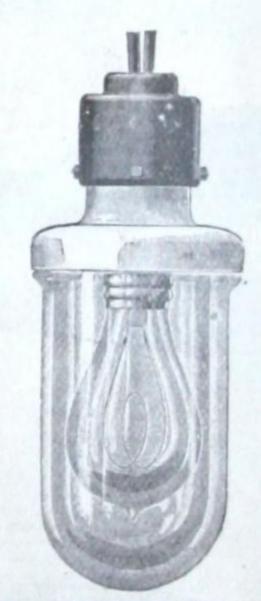
\$0.65

# Newgard Combined Receptacle and Waterproof Globe

(T.-H. or Edison Base.)



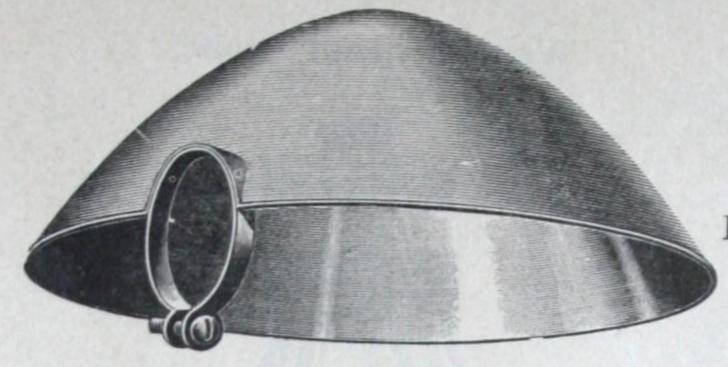
Style A. Pendant.



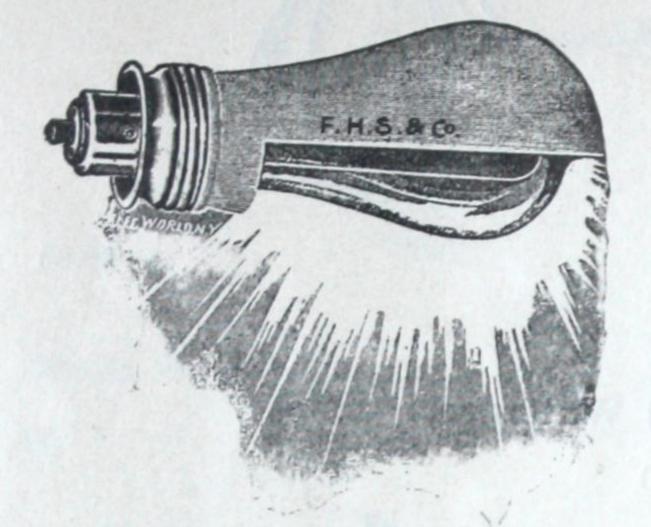
Style B. § Iron Pipe Bracket.



Style C. Pendant Flange.



#### Parabola Aluminum Shade



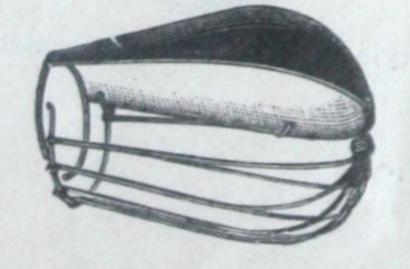
#### Half Glass Shade

Blue, Green, White, Ruby.



# Half Tin Shades

No. 66.



# Half Tin Shades with Guard

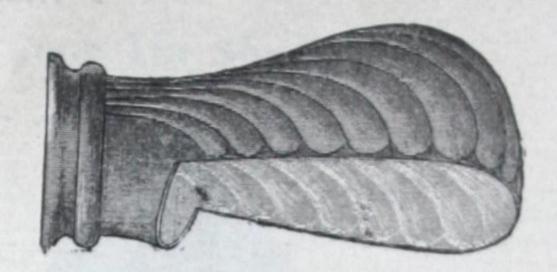


# Half Tin Shades

No. 99

# Imported Half Shade

(Green, lined.)



# Imported Cone Shades

PORCELAIN GREEN
WHITE LINED
7 INX 2 1/4
10 II X 2 1/4
10 II X 2 1/4
10 II X 2 1/4

#### Imported Desk Shades

 Nº 123. 3¼×8.
GREEN REFLECTOR
GROUND GLASS BOTTOM.

#### McCreary Shades

7	in.,	each,							\$1.60
8	"	"							1.80
9	"	"							2.50
D	isk	Shades	s. extra	. eac	11.				.25



# 7-inch Shade and Holder Combined

(Steel or Aluminum.)

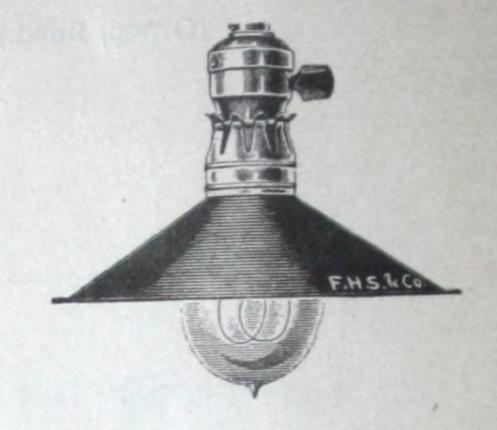


No. 26.

No. 26,

Steel. \$0.50

Aluminum. \$0.90



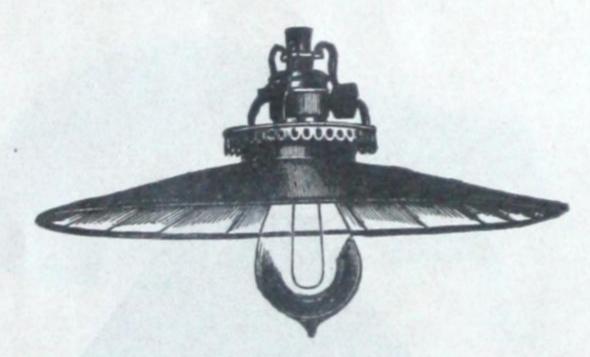
No. 28.

No. 28, . .

Steel. \$0.50

\$0.90

# Flat Mirror Reflector



Reflector	s, 10 i	nch	, each		\$1.00
	12		"		1.12
"	14	"	"		1.25
**	16	"	"		1.60
"	18	"	"		2.00

Convex Mirrors same list as flat.

# Deep Cone Mirror Reflector

2¼ Holder.



7	inch,	to fit	24	holder,	each,		\$1.00
10		"	66	"			1.05
12	"	"	"	"	**		1.25

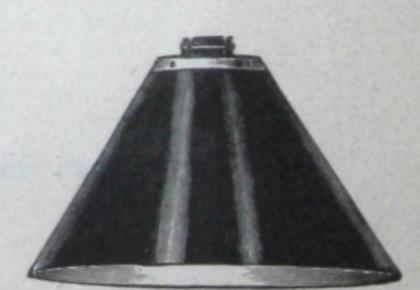
#### Celluloid Shade



Made to either clamp socket or set on top of lamp in portable.

Pink, red or light green, each, . \$1.00

#### Cardboard Shade



Diameter, 10	inches.	Depth,	5 inches.
	Fits 21 inc	h holder.	
Per dozen.			\$5.00

# Flat Tin Shades

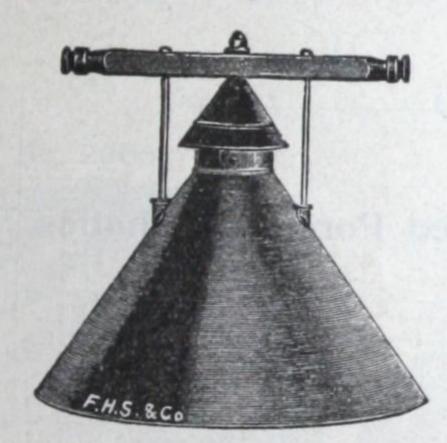


Cone	Tin	Shades



8	in.,	per	dozen,	19.9		\$1.75	
10	"	"	"			2.25	
12	"	"	"			3.00	

#### Arc Lamp Hoods



Crescent Shades



#### Aluminum Flat Shades



#### Aluminum Cone Shades

No. 56.



10 in., per dozen, . . . \$15.00 10 in., per dozen, . . . \$15.00

# Flat Porcelain Shades 6 in., per dozen, . \$1.65 1.88 2.00 2.50 4.38 14 " 5.00 8.50 18 " 11.88 20 " 15.00 22 " 20.00 24 " 25.00 Cone Porcelain Shades 8 in., per dozen, . . \$3.00 10 " " " 3.25 Flat Fluted Porcelain Shades 6 in., per dozen, . . . \$1.65 8 " " " " 1.88 2.00 250 Cone Fluted Porcelain Shades 6 in., per dozen, . . . . . \$1.65 1.88 2.00 2.50 Porcelain Shade No. 90

#### Silver Etched Shades

No. 2030.



Silver Etching.
Per doz., 8 in. long, . \$9.00

No. 2032.



Silver Etching.

6	in.,	per doz.,		\$10 00
7	"	"		12.00
8	66	"		14 00
10	"	"		24.00

No. 2033.

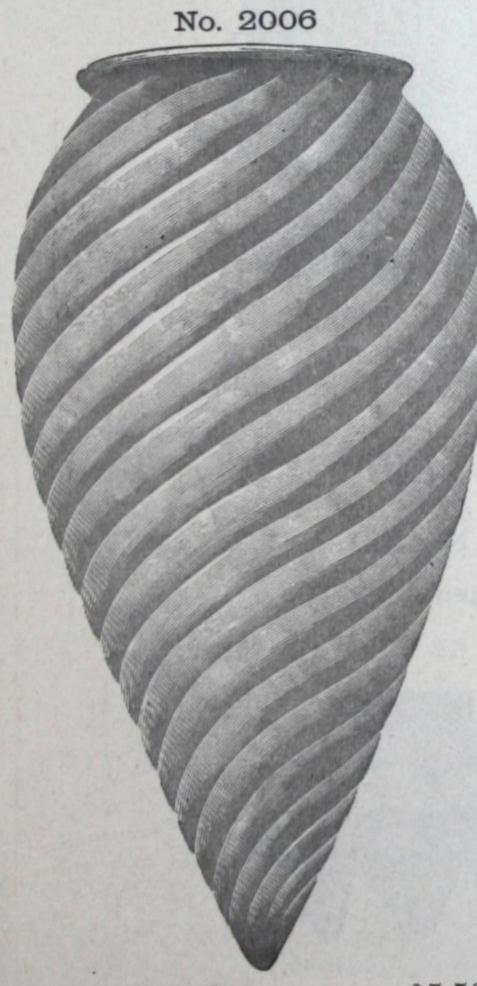


Silver Etching and Cut. Per doz.,  $7\frac{1}{2}$  in. long, \$18.00

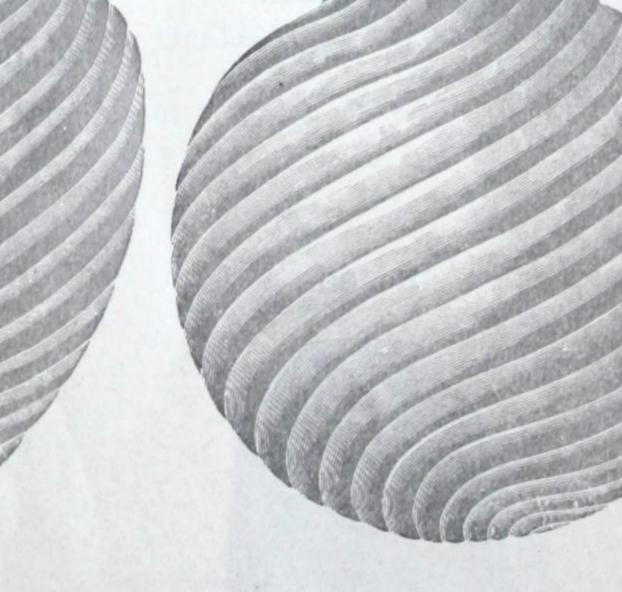
# Opalescent Twist Shades

No. 2008.

No. 2015.







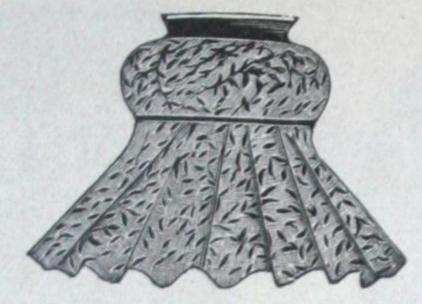
6 in per doz		\$5.50	6 in., pe	er doz,		\$5.50		er doz.,		\$6.00 7.00
6 in., per doz.		6 50	7 "	"	,	6.50 8 00	7 " 8 "	"	40	8.00
8 " " " 10 " "		8.00	8 "	"		11.00	10 "	**		18.00

Per dozen,

#### Shades

Per dozen,

No. 3108½.



Light Etched.



. . . . \$3.50

\$6.50

No. 3107½.



Light Etched.

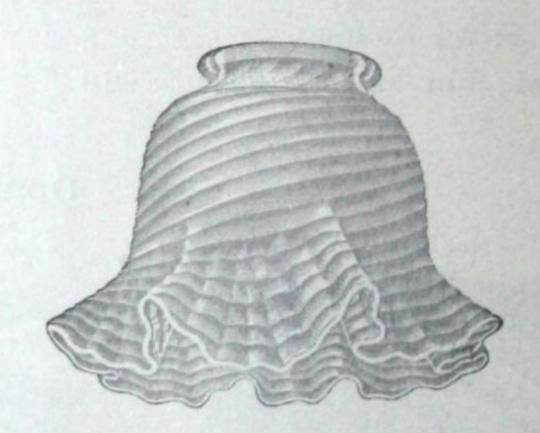
\$3.50

No. 1358.



Silver Etched. Per dozen,

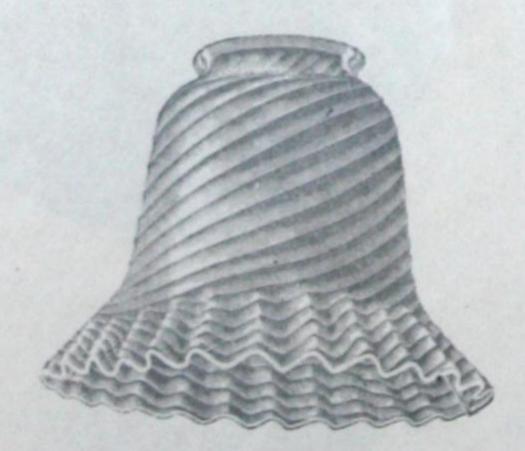
No. 30.



Ruby, Blue or Amber Top.

Per dozen, . . . \$8.00

No. 33.



Opalescent Twist.

Per dozen,

No. 311. Imported Rose.



Ruby, Blue and Amber.

Per dozen, \$9.00

\$2,00

#### Shades

No. 1345.



Silver Etched.

Per dozen,

Per dozen,

\$6.00



Pressed Glass.

Per dozen,

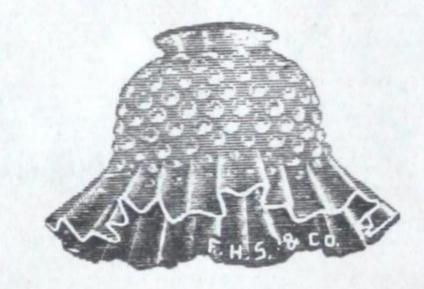
No. 1255.



Silver Etched.

\$5.00

No. 313.



Opalescent, blue, amber tint.

\$8.00 Per dozen,

No. 25.



Opalescent Twist.

\$3.75 Per dozen,

No. 27.

Opalescent Twist.

\$3.75 Per dozen,

#### Arc Lamp Globes





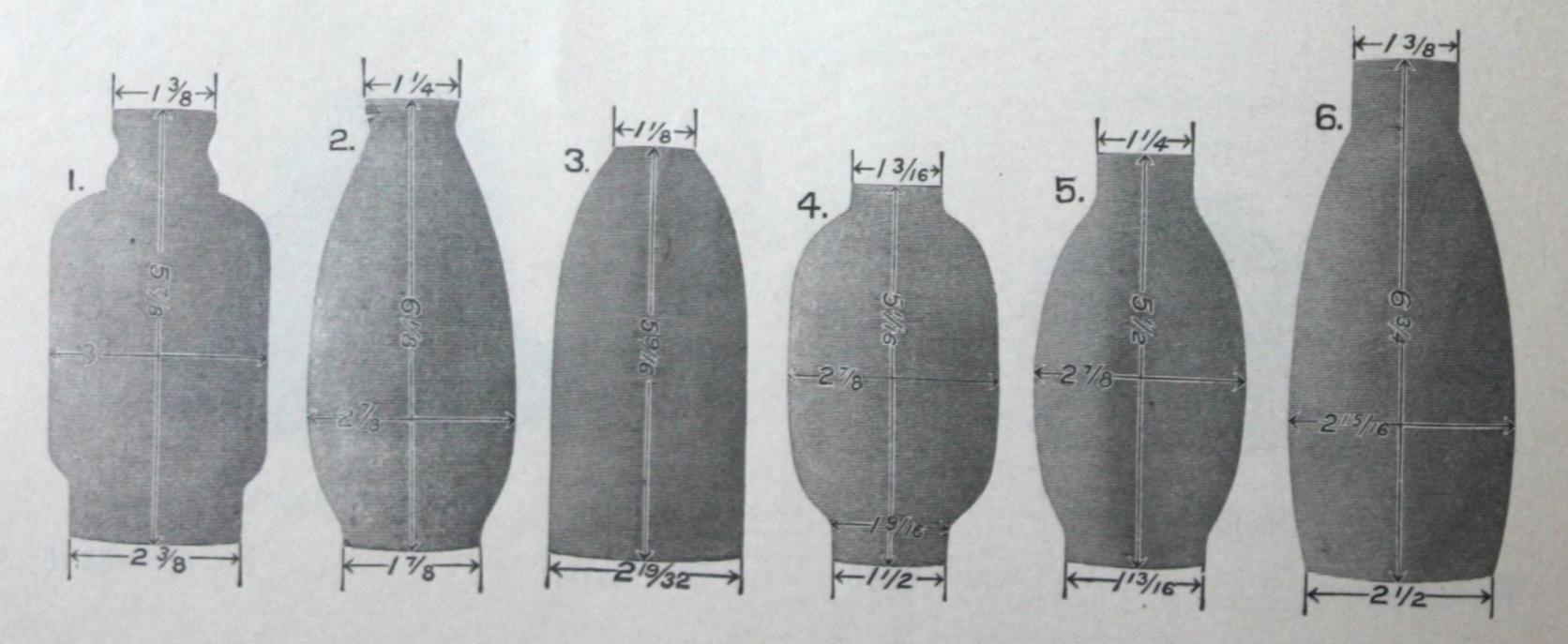
						Clear.	Opal.	Ground.
10 x 10, per doz.,						\$9.00	\$10.00	\$10.50
11 x 11, "						9.50	10.50	11.00
12 x 12, "						10.00	11.00	12.00

Please state size of holder.

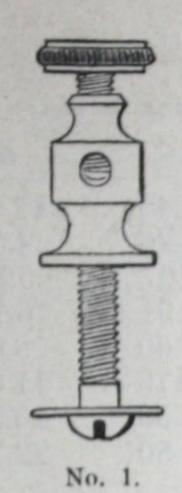
Packages charged at cost.

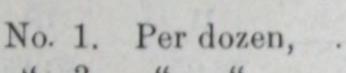
# Inner Arc Light Globes

(Clear and Opal.)



#### **Binding Posts**







No. 3. \$1.50

1.50

\$5.00



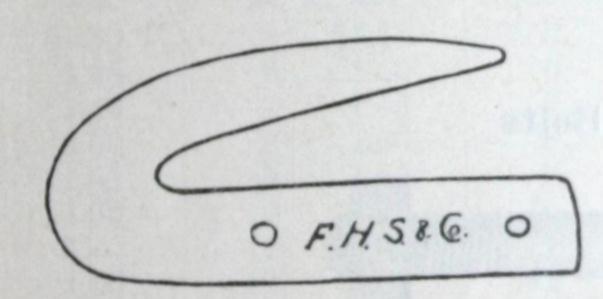
No. 4.



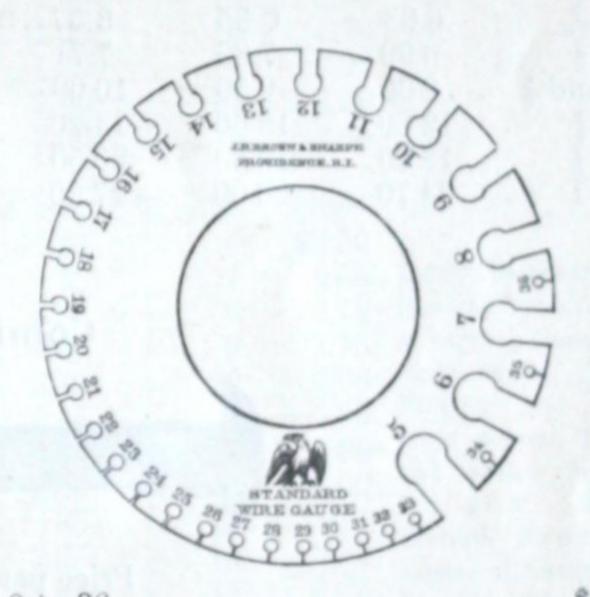
No. 5.

No.	4.	Per d	lozen,			\$1.45
	5.					1.45

#### Girder Hooks



Per 100,



No.	0	to	36,			\$4.00
66	5	"	36.			3.00

# Direct Current Magnetic Socket

110 Volts, Ed., T.-H. or West. Base.



When current is turned on the socket will adhere to iron or steel in any position.

Can be used inside or outside of boilers, steel bank vaults, etc.

Price, each, . . . \$2.50

# U. S. Storage Battery

2½ Volts.



		ap. hor					
No.	1.	3	Complete	with	glass	jar,	\$1.00
		5			16		1.50
		15	"	16	"	"	3.00
		25		66	- 11	44	5.00
66			"	**	6.	"	8.00

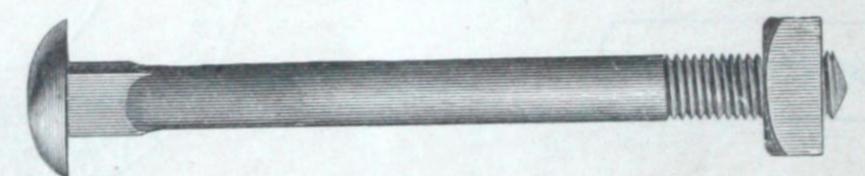
# Lag Screws

Price per 100, Plain, Not Galvanized.

LENGTH.

		0	21/	3	3½	4	4½	5	5½
Diameter. $ \frac{\frac{5}{16}}{\frac{3}{8}} $ $ \frac{7}{16}$ $ \frac{\frac{1}{2}}{\frac{2}{16}} $ and $\frac{5}{8}$ $ \frac{\frac{3}{4}}{\frac{7}{8}} $		\$2.45 2.96 3.47 4.11 5.00	\$2.65 3.22 3.79 4.47 5.50 7.90	\$2.85 3.48 4.11 4.83 6.00 8.60 12.50	\$3.05 3.74 4.43 5.19 6.50 9.30 13.50 18.20	\$3.25 4.00 4.75 5.55 7.00 10.00 14.50 19.50	\$3.45 4.26 5.07 5.91 7.50 10.70 15.50 20.80	\$3.65 4.52 5.39 6.27 8 00 11 40 16.50 22.10	\$3.85 4.78 5.71 6.63 8 50 12.10 17.50 23.40
Diameter.	6	6½	7	7½	8	9	10	11	12
5 16 3 8 7 16 1 9 and 5 3 4 7 8 1	\$4.05 5.04 6.03 6.99 9.00 12.80 18.50 24.70	\$4.25 5.30 6.35 7.35 9.50 13.50 19,50 26.00	\$4.45 5.56 6.67 7.71 10.00 14.20 20.50 27.30	\$4.65 5.82 6.99 8.07 10.50 14.90 21.50 28.60	\$4.85 6.08 7.31 8.43 11.00 15.60 22.50 29.90	\$5.25 6 60 7.95 9.15 12.00 17.00 24.50 32.50	\$5.65 7.12 8.59 9.87 13.00 18.40 26.50 35.10	\$6.05 7.64 9.23 10.59 14.00 19.80 28.50 37.70	\$6.45 8.16 9.87 11.31 15.00 21.20 30.50 40.30

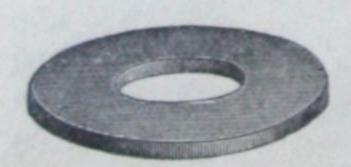
# Common Carriage Bolts



Price per 100, Plain, Not Galvanized.

LENGTH.

					22.002.00						
Diameter.	2	21/2	3	3½	4	41/2	5	5½	6	6½	7
1	\$1.08	\$1.16	\$1.24	\$1.32	\$1.40	\$1.48	\$1.56	\$1.64	\$1.72	\$1.80	\$1.88
4 5	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	210	2.20	2.30
16	1.50	1.64	1.78	1.92	2.06	2.20	2.34	2.48	2.62	2.76	2.90
8 7	2.20	2.36	2.52	268	2.84	3.00	3.16	3.32	3.48	3 64	3.80
16	2.20	2.00	3.00	3.20	3.40	3.60	3.80	4.00	4.20	4.40	4.60
9 and 5			5.00	5.30	5.60	5.90	6.20	6.50	6.80	7.10	7.40
9 and 5 3 4			7.20	7.60	8 00	8.40	8.80	9.20	9.60	10.00	10.40
Diameter.	71/2	8	81/2	9	91/2	10	11	12			
1	\$1.96	\$204	\$2.12	\$2.20	\$2.28	\$2.36	\$2.52	\$2.68			
5	2.40	2.50	260	2.70	2.80	2.90	3.10	3.30			
16 3 8	3.04	3.18	3.32	3.46	3.60	3.74	4.02	4.30			
$\frac{8}{7}$	3.96	4.12	4.28	4.44	4.60	4.76	5.08	5.40			
16	4.80	5 00	5.20	5.40	5.60	5.80	6.20	6.60			
9 and 5	7.70	8.00	8.30	8.60	8.90	9.20	9.80	10.40			
16 3 4	10.80	11.20	11.60	12.00	12.40	12.80	13.60.	14.40			



#### Washers

1304	10	inch	Iron	Washers,	per pound,				\$0.10
1205	500	"	46	"	"				.10

#### Patent Iron Wood Screws

List of January 1, 1900.



Patented May 30, 1876

					Price 1	per Gross.				
No.	½ inch.	No.	¾ inch.	No.	1 inch.	No.	1¼ inch.	No.	1½ inch.	No. 134 inch.
1	\$0.63	2	\$0.63	3	\$0.73	3	\$0.80	3	\$0.90	5 \$1.20
2	.63	3	.64	4	.76	4	.83	4	.95	6 1.25
3	.63	4	.65	5	.80	5	.91	5	1.00	7 1.33
4	.63	5	.70	6	.87	6	.98	6	1.05	8 1.40
5	.64	6	.77	7	.93	7	1.05	7	1.10	9 1.45
6	.66	7	.82	8	.98	8	1.10	8	1.20	10 1.50
7	.76	8	.88	9	1.05	9	1.15	9	1.25	11 1.60
8	.80	9	.92	10	1.15	10	1.20	10	1.30	12 1.70
9	.84	10	.97	11	1.20	11	1.30	11	1.40	13 1.85
10	.87	11	1.05	12	1.25	12	1.40	12	1.55	14 2.05
11	.92	12	1.10	13	1.40	13	1.55	13	1.70	15 2.35
12	1.00	13	. 1.15	14	1 60	14	1.75	14	1.90	16 2.65
		14	1.25	15	1.85	15	2.00	15	2.20	
		15	1.40	16	2.10	16	2.30	16	2.45	
No.	2 inch.	No.	2¼ inch.	No.	2½ inch.	No.	2¾ inch.	No.	3 inch.	
5	\$1.30	. 5	\$1.45	5	\$1.75	6	\$2.20	6	\$2.60	
6	1 35	6	1.50	6	1.80	7	2.25	7	2 65	Additional varieties
7	1.40	7	1.55	7	1.85	8	2.30	8	2.70	invoiced from this List
8	1.50	8	1.60	8	1.90	9	2,35	9	2.75	at varying Discounts:
9	1.55	9	1.65	9	2.00	10	2.40	10	2.80	Flat, Round, Piano,
10	1.60	10	1.75	10	2.10	11	2.45	11	2.85	Fillister and Oval
11	1.70	11	1.85	11	2.15	12	2.55	12	2.90	Head Screws, Dowel and Felloe Screws,
12	1.80	12	2.00	12	2.25	13	2.65	13	3.00	Bright, Blued,
13	2.05	13	2.20	13	2.40	14	2.85	14	3.15	Brassed, Bronzed,
14	2.35	14	2.45	14	2.60	15	3.25	15	3.40	Japanned, Lacquered,
15	2.65	15	2.85	15	3.05	16	3.65	16	3.85	Tinned, and Rogers
16	2.95	16	3.25	16	3.40	17	4.05	17	4.40	Drive Screws.
		17	3.55 ·	17	3.75	18	4.75	18	5.10	
		18	4.10	18	4.35					
									-0	

#### Pole Steps

# Price. 8 x $\frac{1}{2}$ F. D. Black Pole Steps, per 100, \$6.50 9 x $\frac{1}{2}$ " " " " " 8.25 10 x $\frac{1}{2}$ " " " " " " " 8.50 8 x $\frac{1}{8}$ " " " " " " " 9.00 8 x $\frac{5}{8}$ " " " " " " " " 9.25 10 x $\frac{5}{8}$ " " " " " " " " " 9.50

# Fetter Drive Screws

2 x ½ Lag Screw, per 1 3 x ½ " " " "	00,		Price. \$4.60 5.20 6.05	5 x ½ Lag Screw, 7 x ½ " " 7 x 5 " "	per 100,		Price. \$6.40 7.60 8.60

#### Flexible Hard Rubber Tube

#### Soft Rubber Tube

(White.)



 $\frac{1}{4}$ ,  $\frac{5}{16}$ ,  $\frac{3}{8}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ , 1 in.

Per lb., . . . . . . . \$0.80

 $\frac{1}{4}$ ,  $\frac{5}{16}$ ,  $\frac{3}{8}$ ,  $\frac{1}{2}$  in.

\$1.00

# Rubber Socket Covers



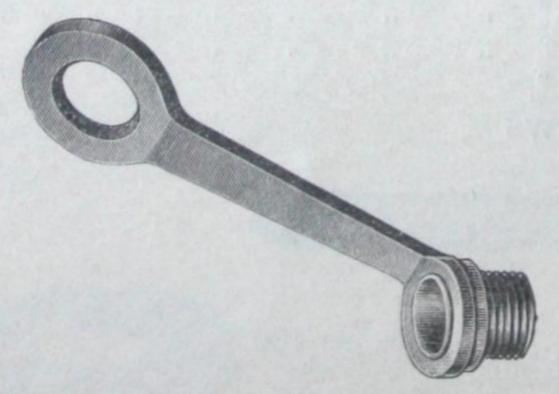
Each, . . \$0.15 Hard Rubber Tube



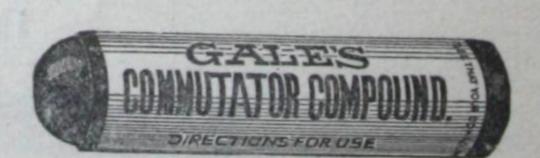
 $\frac{1}{4}$ ,  $\frac{3}{8}$ ,  $\frac{1}{2}$ ,  $\frac{5}{8}$ ,  $\frac{3}{4}$  in.

\$0.80

#### Gas Attachments



Commutator Compound



Each, \$0.06

Per stick, . . . . . . \$0.75

# Chatterton Compound

#### Tape



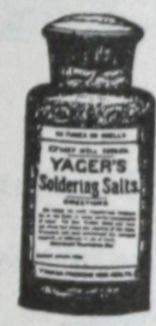


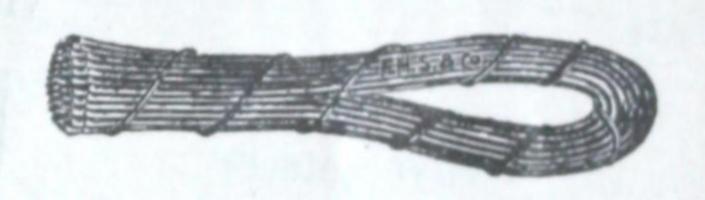
Regular, I	per lb.,				\$0.70
Rubber,					1.20
Okonite,	66				1.50
Manson,	11	M.			1.10
P. & B. W	eatherpr	oof, pe	er lb.	,	.90

Yager's Salts

Per lb.,

#### Solder





			Wire, per lb.,							\$0.35
Per ½ lb. bottle, .		\$0.50	Bar,	"						.35

#### Soldering Irons



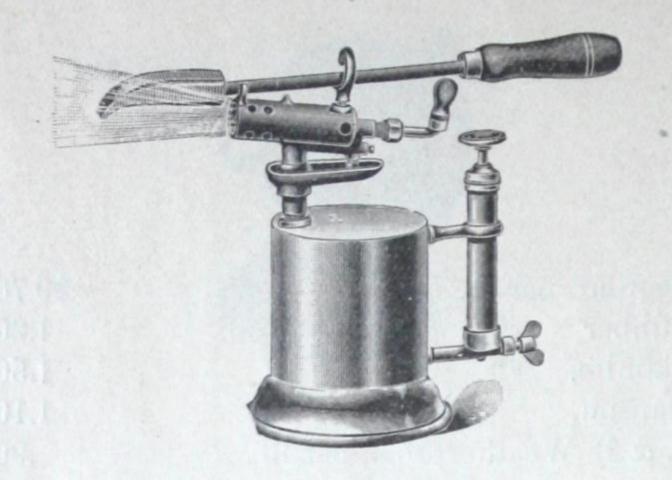
Sold by the pound at market prices.

#### Allen Soldering Sticks



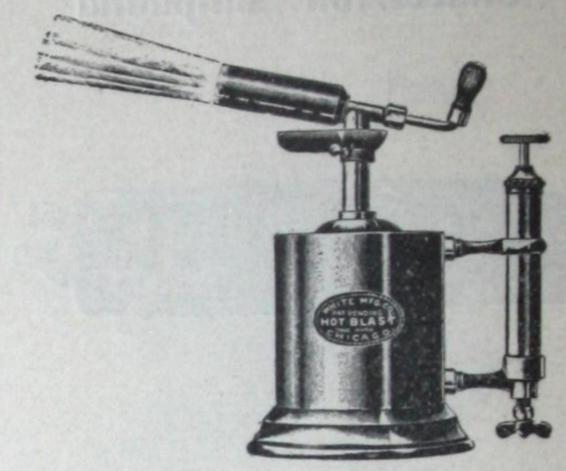
Each,			0,25
		Soldering Paste	
Per box, .			0.30

#### Gasoline Torch



With soldering iron attachment, .

Gasoline Torch

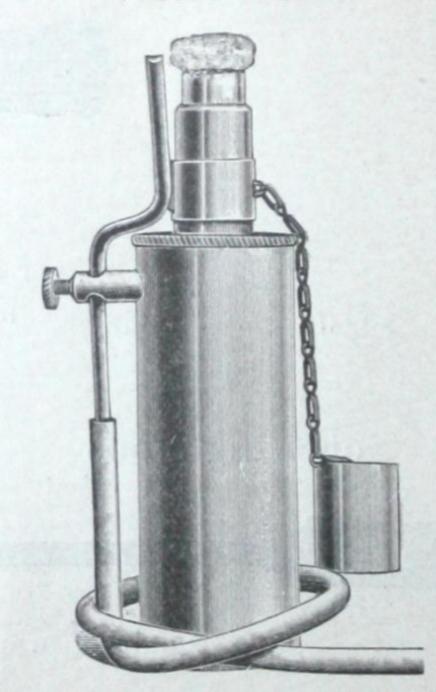


\$5.00

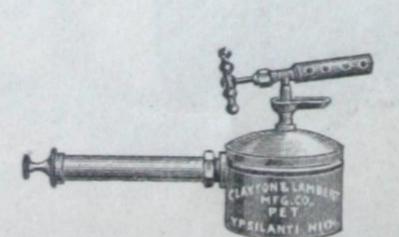
6.00

#### Victor Torch

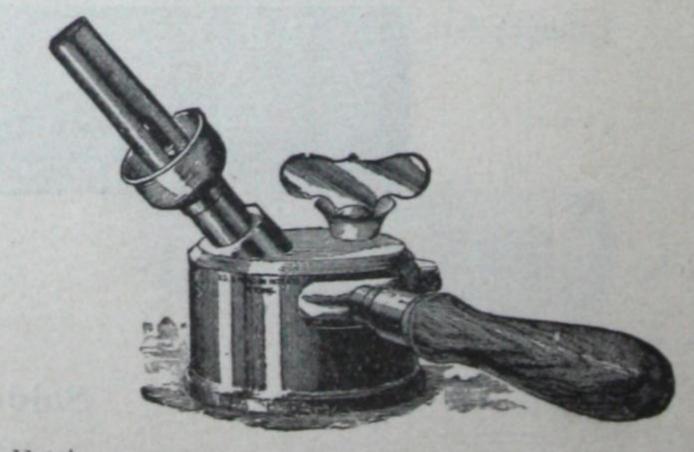
\$7.00



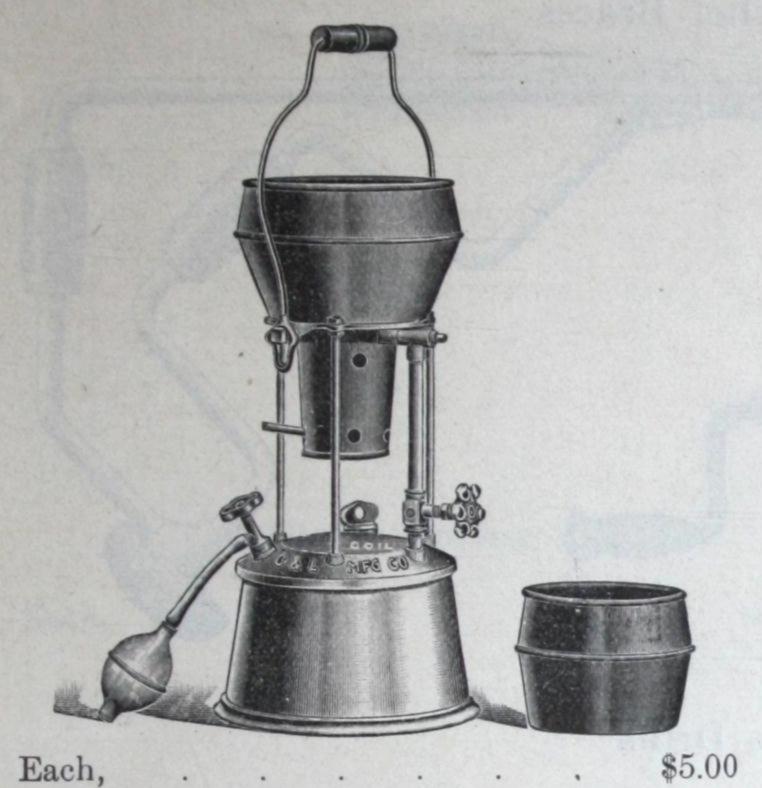
Pony Torch



Vulcan Torch



#### Coil Firepot, No. 10

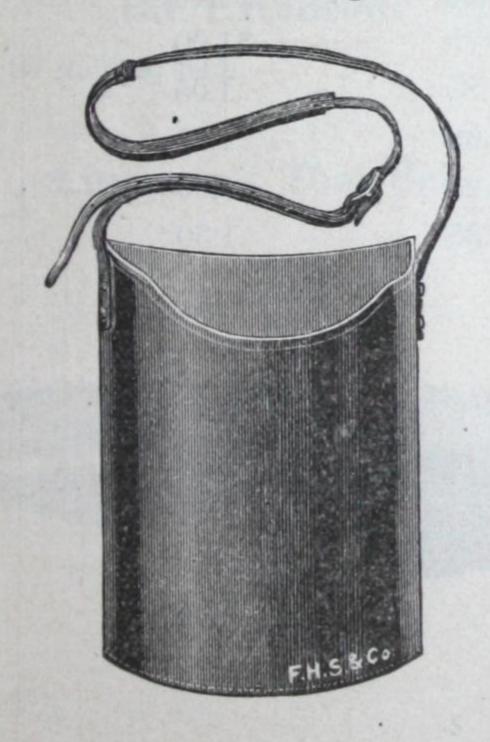


Electrician's Firepots



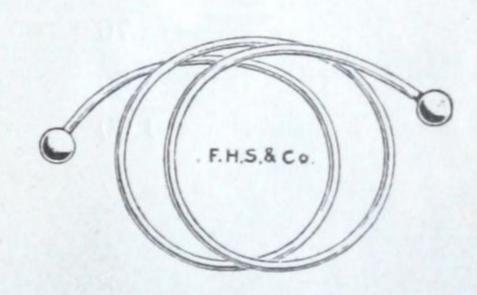
Burner hangs on swivel joint and can be easily raised or lowered. A kettle of solder and a pair of coppers can be heated at the same time.

#### Carbon Bags



Each,

Fishing Wire

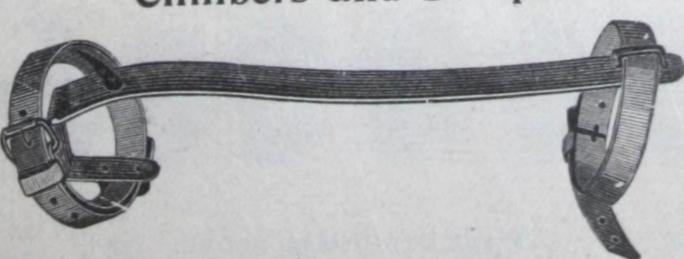


Steel wire with ball on each end, in lengths of 50 ft., 75 ft. and 100 ft.

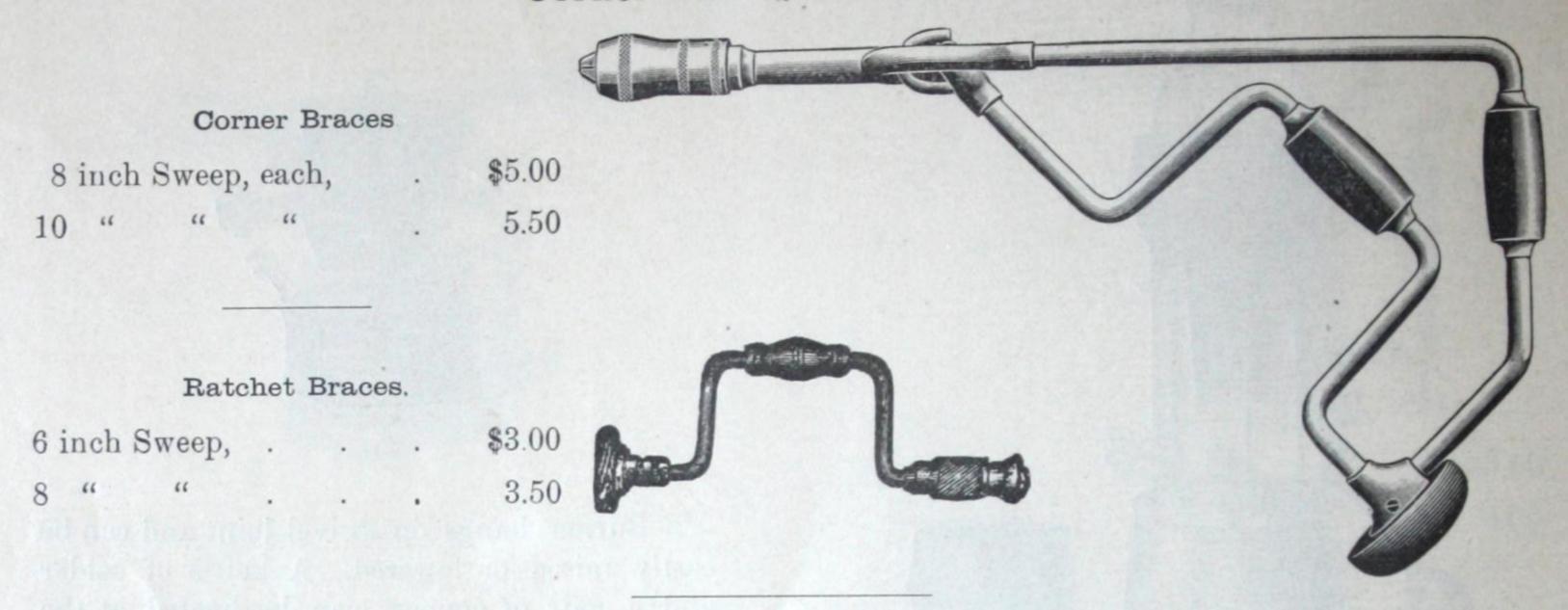
50	ft.,	each,			. 9	\$1.00
75	"					1.50
100	"					2.00

Climbers and Straps

\$5.00



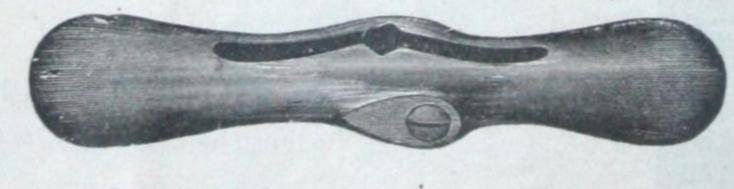
# Corner and Ratchet Braces



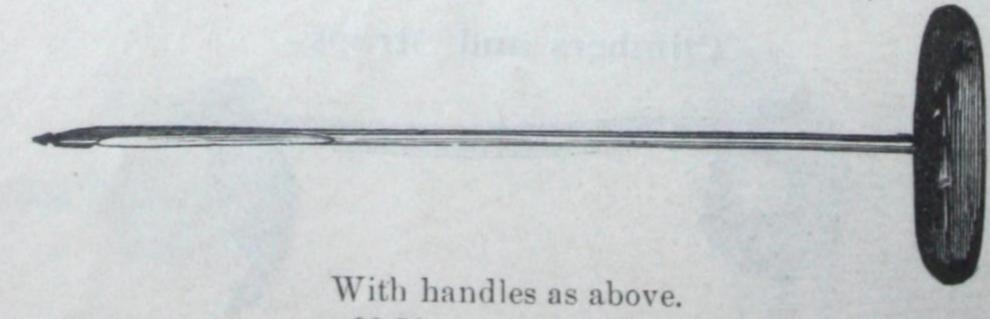
#### Bell Hanger's Drills

					STO CO		
			12 inch.	18 inch.	24 inch.	30 inch.	36 inch
½ inch,			\$0.45	\$0.60	\$0.75	\$1.00	\$1.15
3 "			.50	.70	.85	1.05	1.15
$\frac{1}{2}$ "			.70	.85	1.00	1.25	1.25
5 "			.85	1.00	1.25	1.30	1.35
3 "	14.0		1.00	1.25	1.35	1.50	1.60

#### Drill Handle



# Long Gimblets for Inside Wire Work



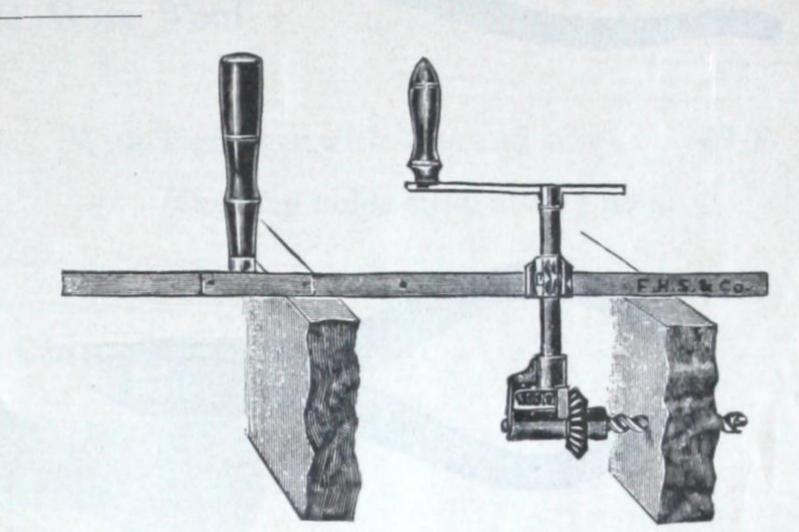
				THE PARTY OF THE P	ics as above.			
12 inch x	$\frac{1}{4}$ or $\frac{5}{16}$ ,			\$0.50	30 inch x $\frac{1}{4}$ or $\frac{5}{16}$ ,			\$0.55
18 " x	1 or 5.			.50				
24 . " x	1 or 5			55	36 " $x \frac{1}{4}$ or $\frac{5}{16}$ ,		1	.60

#### Lock Ferrule Screw Drivers



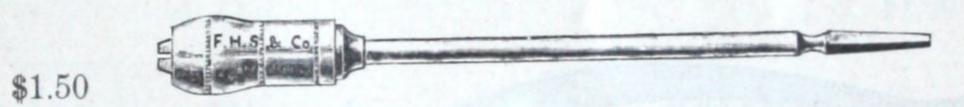
2 inch,				\$0.50	6 inch,				\$1.00
3 "					8 "				
4 "				.75	10 "	4.1			1.60

# Anthony Boring Tool



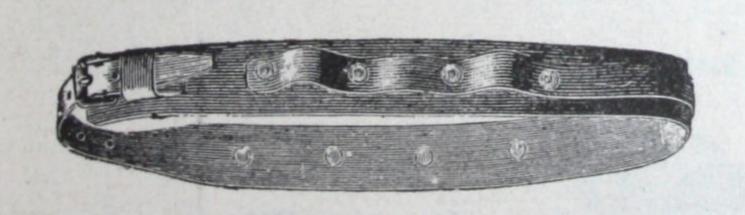
#### Bit Extension

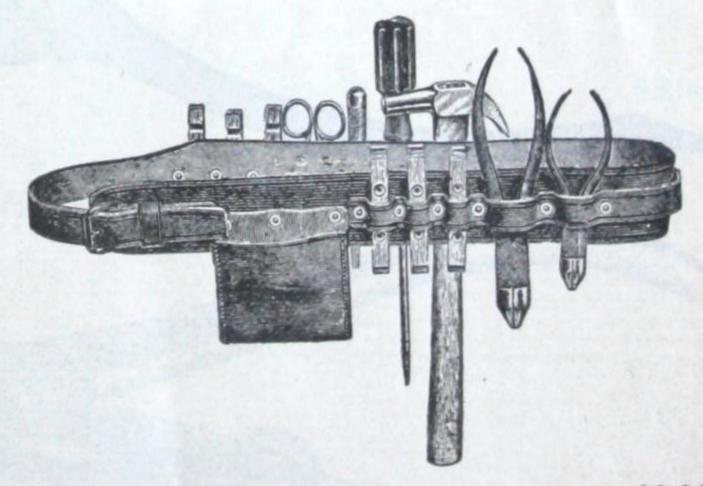
12, 16, 20 inches, each, . . .



#### Linemen's Tool Belt

Wiremen's Tool Belt





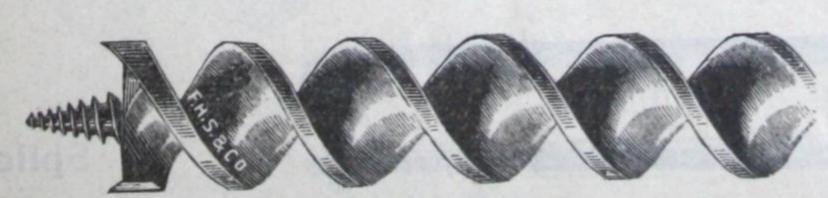
Each, . . .

\$2.00

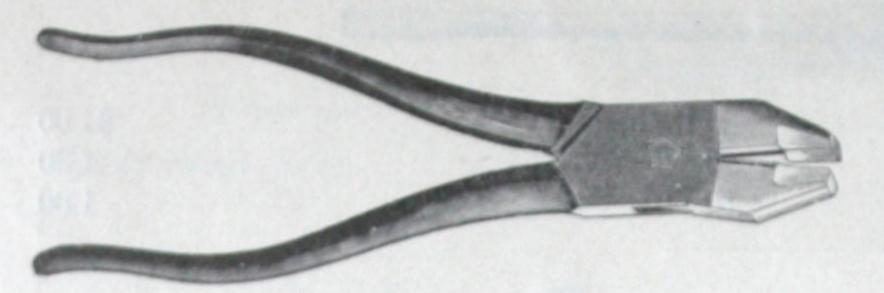
Each,

\$3.00

#### Auger Bits

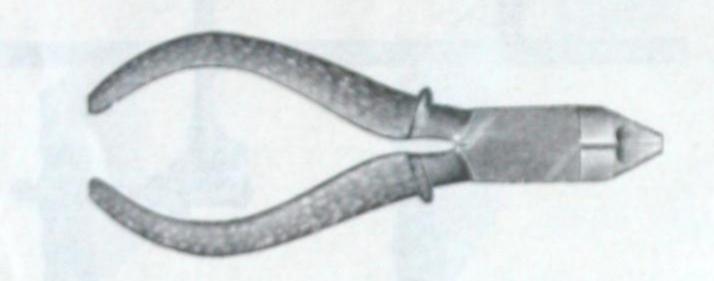


Size in Sixteenths,	3	4 4.50	5 4.50	6 4.50	7 4.50	8 5.76	6.48
Price Per Dozen,	\$4.50	4.00		10	14	15	16
Size in Sixteenths, Price Per Dozen,	10 \$7.20	7.92	12 8.64	9.36	10.08	10.80	11.52



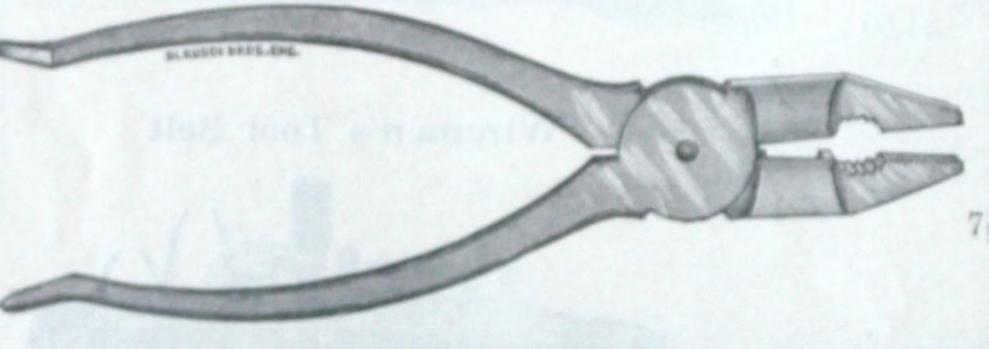
#### Side Cutting Pliers

	5 in.	6 in.	7 in.	8 in.
Plain,	\$1.30	\$1.50	\$1.70	\$2.00
Nickeled,	1.60	1.75	2.00	2.50



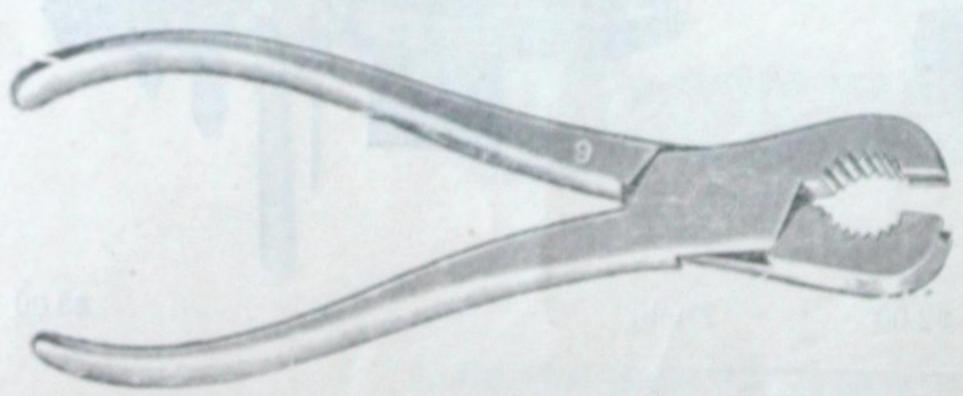
#### Mica Insulated Pliers

6	inch,	each,			\$2.75
7	u	41			3.80
8	11	11			4.50

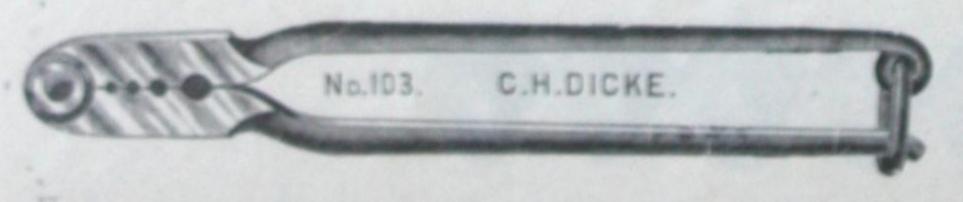


# Combination Side-Cutting Pliers

7½ in, long, . . . \$1.80

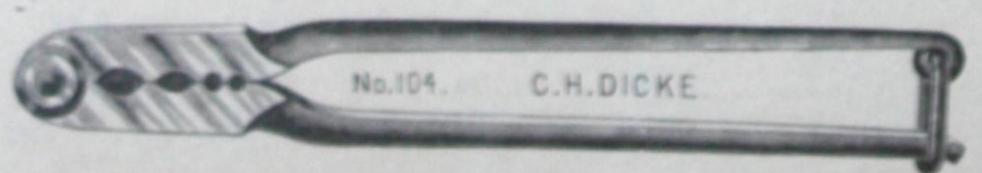


#### Burner Pliers



#### Splicing Clamps

NO.	103,			\$2.50
41	104,			2.50



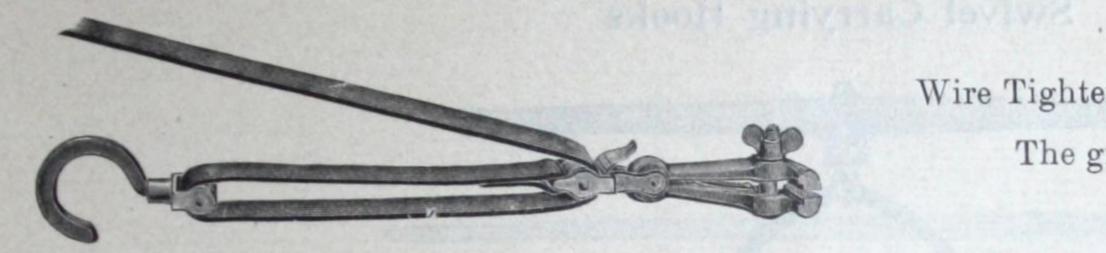
#### Long Nose Pliers



Flat, 5 in. or 6 in., . . . . \$1.00 Round, 5 in. or 6 in., . .

\$1.00

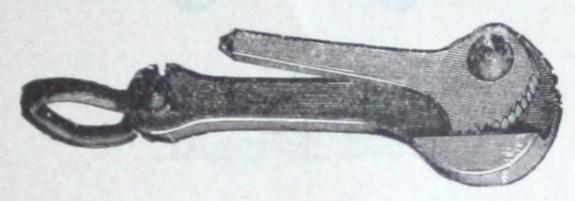
#### Improved Line Wire Tool



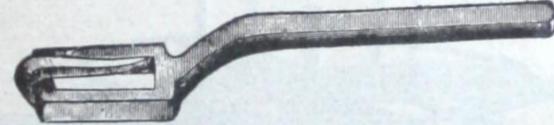
Wire Tightener with Vise and strap, . \$7.00

The grip holds strap at any point.

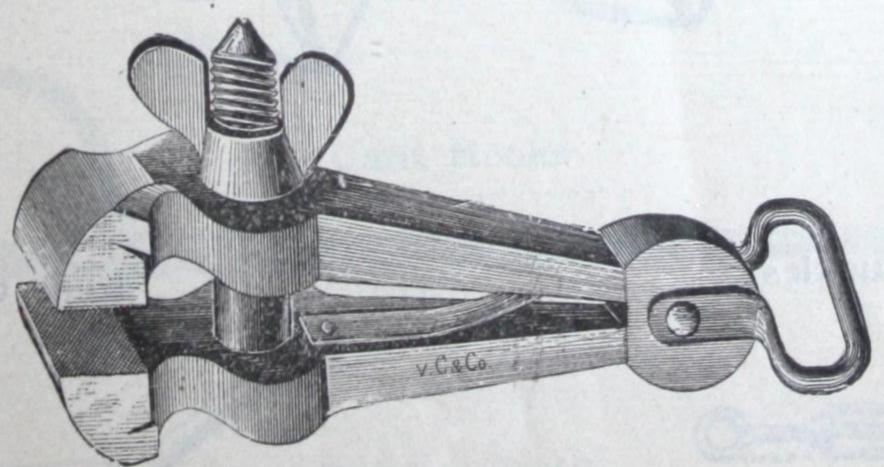
#### Eccentric Clamps



# Lag Screw Wrench



#### Linemen's Vises



With straps, 2.50 Without straps, 2.50

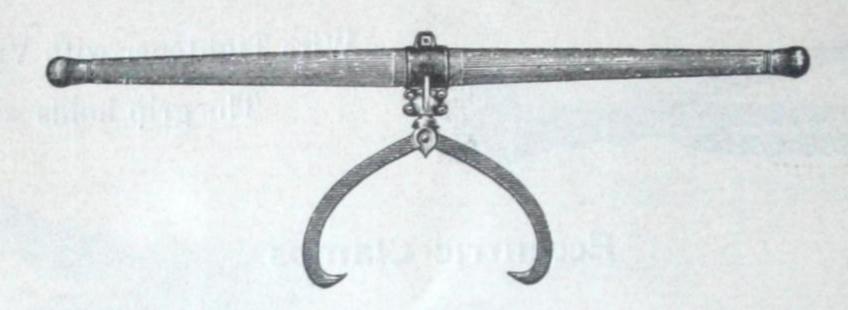
#### **Buffalo** Grips

	\$2.50	Buffalo Grip, with Pulley, No. 2,	. \$4.50
Buffalo Grip, No. 1,	4.00	" Linemen's Tool, No. 1,	. 5.00
" " 2,		2,	. 6.50
" with Pulley, No. 1, .	3.00		

#### Pike Poles

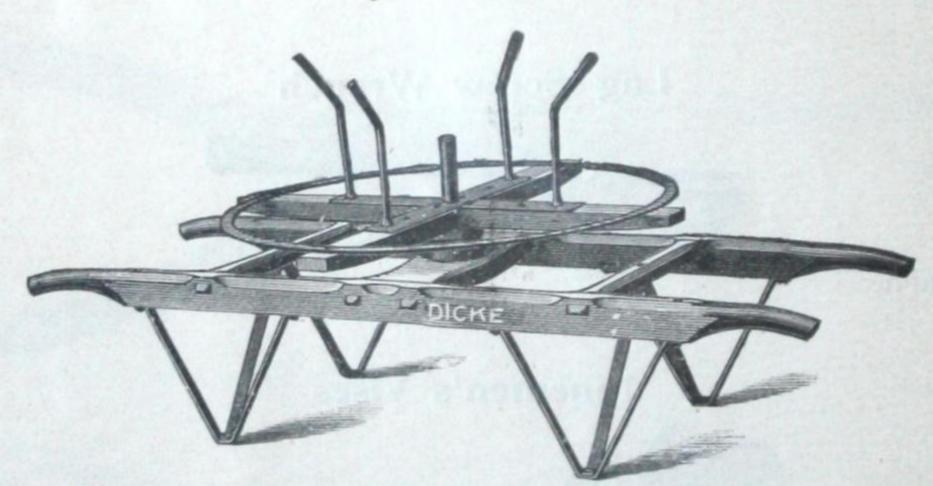
		6	Contract of	200 mm			403.00	REAL PROPERTY.		
19 ft					\$3.00	16 ft.,				\$4.00 4.50
12 ft., 14 "					3.50	18 "				4.50

# Swivel Carrying Hooks



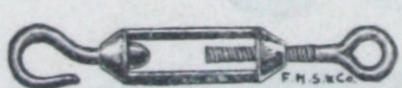
\$3.00 4 ft., each,

#### Pay Out Reels



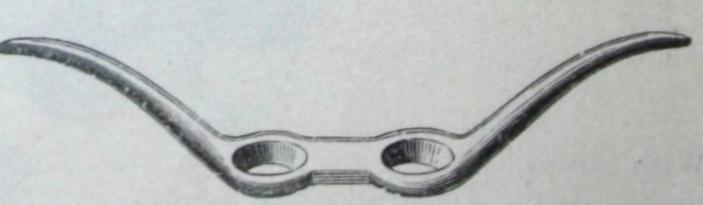
\$16.00 Each,

# Turnbuckles



1 in., e	ach,				\$1.00
5 11	**				1.10
3 "	"	10.0		Total or	1.30
7 "	"		1		1.50
1 "	"				1.80

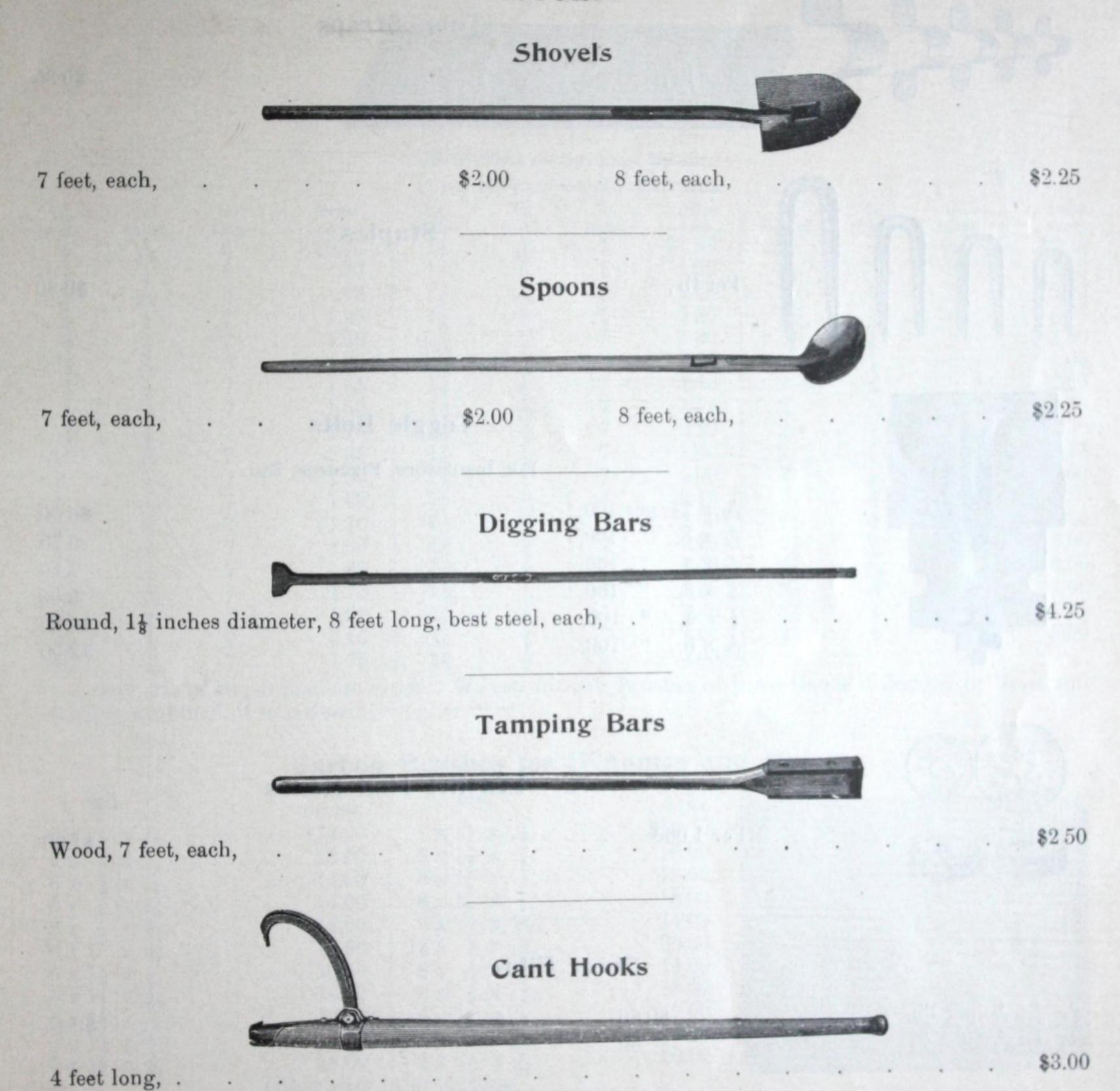
#### Rope Cleats



#### GALVANIZED.

4½ in. long, galvanized, per dozen,	\$0.20
6 in. long, galvanized, per dozen,	0.35
8 in. long, galvanized, per dozen,	0.50
10 in. long, galvanized, per dozen,	1.20

#### TOOLS

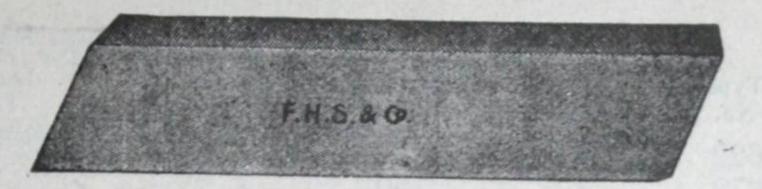


#### Raising Forks

						,		
19 fact			\$2.50	16 feet,				\$3.25
12 1661,								975
14 "			3.00	18 "				5.10

3336	Tube Straps  Per lb., \$0.30
	Staples           Per lb.,         \$0.30
	Toggle Bolts  For Insulators, Fixtures, Etc.
	$\frac{3}{16} \times 2\frac{1}{2}$ , per 100,
	Leather Nail Heads
	Per 1,000
	Sheet Fibre
$\frac{1}{64}$ , $\frac{1}{32}$ , $\frac{1}{16}$ , per lb., $\frac{1}{8}$ , $\frac{1}{4}$ , $\frac{5}{16}$ , " "	\$0.60 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	Fibre Rod
l in., per foot,  "" "" "" "" "" "" "" "" "" "" "" "" "	\$0.15 \$\frac{5}{8}\$ in., per foot, \$0.38 20 \$\frac{3}{4}\$ " " "60 30 1 " " "75
	Asbestos Paper
Per lb.,	

# Woven Wire Dynamo Brushes



Wire Gauze Dynamo Brush.

				PURE	COPPER	GAUZE E	BRUSHES.				
In. wide.	In. thick.	In. long.	Price each.	In. wide.	In. thick.	In. long.	Price each.	In. wide.	In. thick.	In. long.	Price each.
$\frac{1}{2}$	3 16	6	\$0,75	11/4	16	7	\$1.85	$1\frac{3}{4}$	1	8	\$2.35
$\frac{1}{2}$	1	6	.80	11/4	38	7	1.95	$1\frac{3}{4}$	5	8	2.40
5/8	$\frac{3}{16}$	6	.93	11/4	$\frac{7}{16}$	7	2.15	13	3	8	2.50
34	1/4	7	1.25	11	$\frac{1}{2}$	7	2.30	13	1 0	8	3.25
34	$\frac{1}{2}$	7	1.50	$1\frac{5}{16}$	1/4	7	1.80	13/4	5	8	3.50
7 8	$\frac{3}{16}$	6	1.25	$1_{16}^{5}$	$\frac{9}{16}$	7	2.50	13	3	8	4.00
7 8	1/4	7	1.35	$1\frac{3}{8}$	1/4	7	1.85	2	1	8	2.60
7 8	38	7	1.50	13/8	$\frac{\tilde{5}}{16}$	7	1.95	2	5	8	2.75
7 8	1 2	7	1.75	13/8	3 8	7	2.20	2	3	8	3.00
1	$\frac{3}{16}$	7	1 35	13/8	1 2	7	2.50	2	i	8	3.75
1	1	7	1.50	$1\frac{1}{2}$	1/4	7	2.00	2	5	8	4.50
1	16	7	1.60	$1\frac{1}{2}$	5 16	7	2.15	21	3	8	3.50
1	38	7	1.70	11/2	3 8	7	2 30	21	1	8	4.25
1	. 1/2	7	2.00	$1\frac{1}{2}$	1 2	7	2.75	21	5	8	5,00
11/8	1	7	1.60	$1\frac{1}{2}$	5 -	7	3 00	$2\frac{1}{2}$	5 16	8	3.50
11/8	16	7	1.75	15/8	1	7	2.25	$2\frac{1}{2}$	3	8	4.00
11/8	3	7	1.90	15/8	$\frac{5}{16}$	7	2.35	$2\frac{1}{2}$	1	8	4.75
11/8	1/2	7	2.15	15/8	3	7	2.65	$2\frac{1}{2}$	5	8	5,50
14	1	7	1.75	15/8	$\frac{1}{2}$	7	3.00	2	0		

Any size of Brush made to order. We can furnish Brushes of Brass Gauze if desired, or Brass and Copper combined, if so ordered.

#### Carbon Brushes for Dynamos and Motors

Size.		Price per 100.	Size.		Price per 100.		
$6 \times \frac{1}{2} \times \frac{3}{16}$	reobles.	\$13.00	$7 \times 1\frac{1}{2} \times \frac{1}{2}$ ,		\$18.00		
$6 \times \frac{1}{2} \times \frac{1}{4}$		13.00	8 x 1 x 1, .		18.00		
$6 \times \frac{3}{4} \times \frac{3}{16}$		14.00	$8 \times 1\frac{1}{2} \times \frac{1}{2}$ , .	WT.	18 00		
6 x \(\frac{3}{4}\) x \(\frac{1}{4}\),		14.00	$8 \times 1\frac{1}{2} \times \frac{1}{4}$ ,	DEPOSIT	18.00		
6 x \ x \ \ x \ \ \ \ \ \ \ \ \ \ \ \ \		14.00	$9 \times \frac{5}{8} \times \frac{9}{16}$ ,	AND THE	14.00		
6 x 1 x 1,		15.00	$12 \times \frac{3}{4} \times \frac{3}{4}$ ,	Only.	20.00		
6 x 1\frac{1}{8} x \frac{1}{4},		16.50	9 x 16 x 1,	ual.	14.00		
6 x 1\frac{1}{4} x \frac{1}{4},		16.50	$6 \times \frac{1}{2} \times \frac{1}{8}$ ,	BUL.	13.00	The state of	
$6 \times 1\frac{1}{4} \times \frac{5}{16}$		16.50	$4 \times 1 \times \frac{3}{16}$ , .		9 00		
7 x 1 \( \frac{1}{4} \) x \( \frac{1}{4} \),		16.50	$8 \times 2 \times \frac{1}{2}$ , .		16.50		
$7 \times 1\frac{1}{2} \times \frac{3}{8}$		18.00	8 x 2½ x ¼, .		20.00	## 30 TO 25	
	0	ther sizes i	n proportion.			-	S C C C

Width.	Thickness.	Length.	\$0.90 1.05			Wirt	Dynam	o Bru	shes		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	16 5 16 5 16 3 8	8 8 8	1.15 1.25 1.45 1.15			4/1	JJIP.				>
14 14 14 18 18 18 11	16 38 38 38 12 5 16	8 8 10 10 8	1.40 1.65 2.00 2.60 1.55	Width.  13/4 17/8 17/8	Thickness. $\begin{array}{c} \frac{5}{16} \\ \frac{5}{16} \\ \frac{3}{8} \end{array}$	Length. 8 10 10	Price. \$1.70 2.05 2.45	Width.  1 \frac{7}{8}  1 \frac{7}{8}  1 \frac{7}{8}  1 \frac{7}{8}	Thickness.  1 2 7 16 5 8	Length. 10 10 12	Price. \$3.25 2.85 4.60

#### Two-in-Series 220 Volt Lamps. For Indoor Service



651-653-657

		Finishe	ed in Black Jap	oan Enamel.		
Type No.	Current Amp.	Burning Hours.	Diameter of Carbon.	Length of Lamp.	Globe.	Price.
622	5	150	1 inch	32 inches	B1	\$35.00
672	4	150	1 "	32 "	B1	35.00
624	3	100	3 "	30 "	A <sup>1</sup>	35.00
		Fini	shed in Scoure	ed Brass.		
627	5	150	1 inch	32 inches	B1	40.00
677	4	150	1 "	32 "	B1	40.00
629	3	100	3 "	30 "	A <sup>1</sup>	40.00
		Finished in	n Oxydized Co	pper (Spotted).		
637	5	150	1 inch	32 inches	B1	40.00
687	4	150	1 "	32 "	B1	40.00
639	3	100	3 "	30 "	A1	40.00

These lamps may be adjusted to burn on from 190 to 230 volt circuits.

All lamps in above list are illustrated in the accompanying figure, and require a No. 2 cylinder.

#### Single Burning 220 Volt Lamps. For Indoor Service

Type No.	Current Amp.	Burning Hours.	Length of Lamp.	Globe	Finish.	Price.
651	21	150	32 inch	B1	Japan Black	\$35.00
653	$2\frac{1}{2}$	150	32 "	B1	Scoured Brass	40.00
657	$2\frac{1}{2}$	150	32 "	B1	Oxydized Brass	40.00

For further information regarding type 656, not illustrated here, write to us.

These lamps require a No. 3 cylinder, and may be adjusted to burn on from 150 to 250 volt circuits.

# Two-in-Series 220 Volt Lamps. For Outdoor Service

Finished in Black Japan Enamel



			THE ENGINEER OF	There willerings.		
Type No.	Current Amp.	Burning Hours.	Diam. of Carbon.	Length of Lamp.	Globe	Price.
632	5	150	½ inch	32 inches	B1	\$40.00
682	4	150	1 "	32 "	B1	40.00
634	3	100	3 "	30 "	A <sup>1</sup>	40.00
		Finished	in Black Ox	ydized Copper.		
602	5	150	1 inch	32 inches	B1	\$45.00
604	3	100	ā "	30 "	A1 .	45.00

#### 220 Volt Outdoor Single Burning.

Type No.	Current Amp.	Burning Hours,	Length of Lamp.	Globe.	Finish.	Price.
652	21	150	32 inches	B1	Japan Black	\$40.00
655	21	150	32 "	B1	Oxy. Cop'r Black	45 00
658	21/2	150	32 "	B1	Fancy Dead "	52.50

These lamps are thoroughly weather-proof and do not require a separate hood. They use a No. 3 cylinder, and may be adjusted to burn on from 150 to 250 volt circuits.

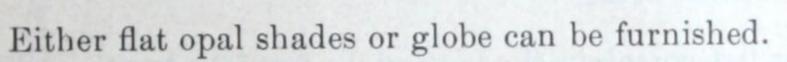
When ordering, mention type number and style of cylinder and globe desired.

#### Helios Arc Lamps

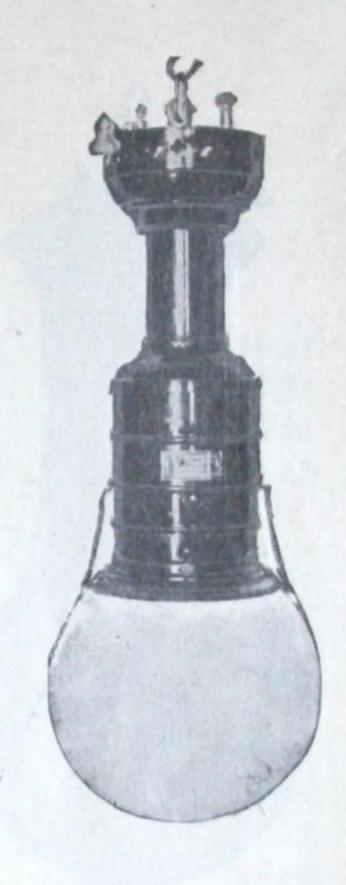
# Single Burning 110 Volt Lamps. For Indoor Service

Finished in Black Japan Enamel.

Type No.	Current Amp.	Burning Hours.	Diameter of Carbon.	Length of Lamp.	Globe.	Price.
621	5	150	½ inch	30 inches	В	\$30.00
623F	5	. 100	$\frac{1}{2}$ "	26 "	A <sup>1</sup>	30.00
671	4	150	1 "	30 "	B1	30.00
623	3	100	3 "	26 "	A <sup>1</sup>	30.00
		Fini	ished in Scoure	ed Brass.		
626	5	150	½ inch	30 inches	B1	\$35.00
676	4	150	1/2 "	30 "	B1	35.00
628	3	100	38."	26 "	A <sup>1</sup>	35.00
		Finished in	Oxydized Con	pper. (Spotted.)		
636	5	150	½ inch	30 inches	B1	\$35.00
686	4	150	1/2 "	30 "	B1	35.00
638	3	100	3 "	26 "	$A^1$	35.00



When ordering, state type number of lamp and style of globe and cylinder wanted.



# Single Burning 110 Volt Lamps. For Outdoor Service

brown Down Comp. College College

Finished in Black Japan Enamel.

Type No.	Current Amp.	Burning Hours.	Diameter of Carbon.	Length of Lamp.	Globe.	Price.
631	5	150	1 inch	32 inches	B1	\$35.00
681	4	150	1 "	32 "	B1	35.00
633	3	100	3 "	28 "	A 1	35.00
		Finished	in Black Oxy	lized Copper.		
601	5	150	½ inch	32 inches	B1	\$40.00
603	3	100	3 "	28 "	A <sup>1</sup>	40.00
	laborton Gr	ound or Cl	oar Globes			

Alabaster, Ground or Clear Globes.

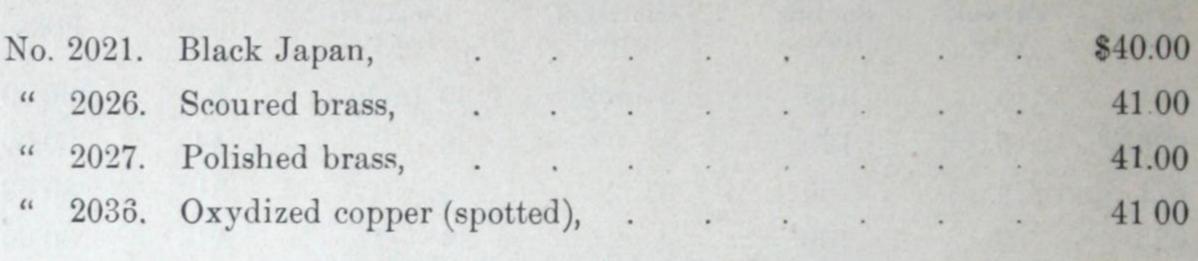
All lamps for outdoor service are weather-proof and do not require a hood.



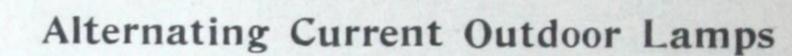
#### Helios Arc Lamps

#### Alternating Current Indoor Lamps

5½ Amp. 2000 C. P. Life 100 hours. Length 28 inches.



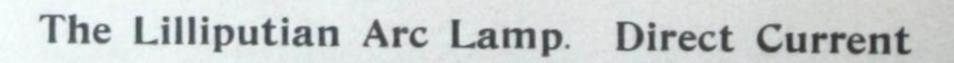
Either flat porcelain shade or globe furnished with each lamp.



5½ Amps. 2000 C. P. Life 100 hours. Length 28 inches

No.	2031.	Black Japan,				\$40.00
"	2001.	Oxydized copper, black,				41.00
"	2032.	Polished brass,				41 00

Either flat porcelain shade or globe furnished with each lamp.



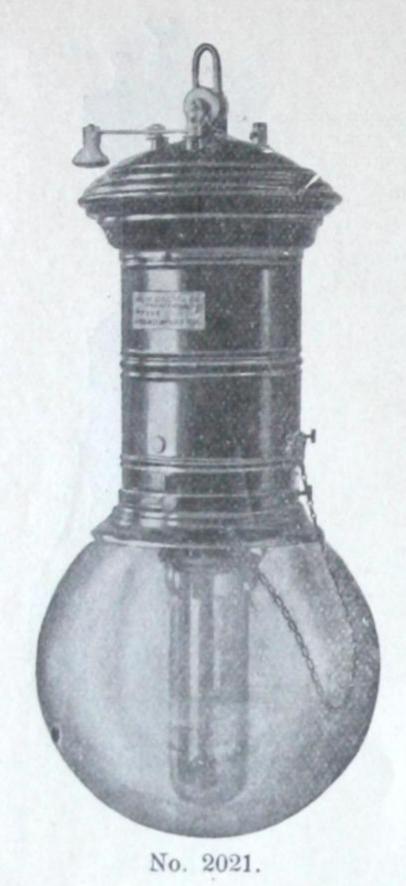
110 Volts. Length 131/2 inches

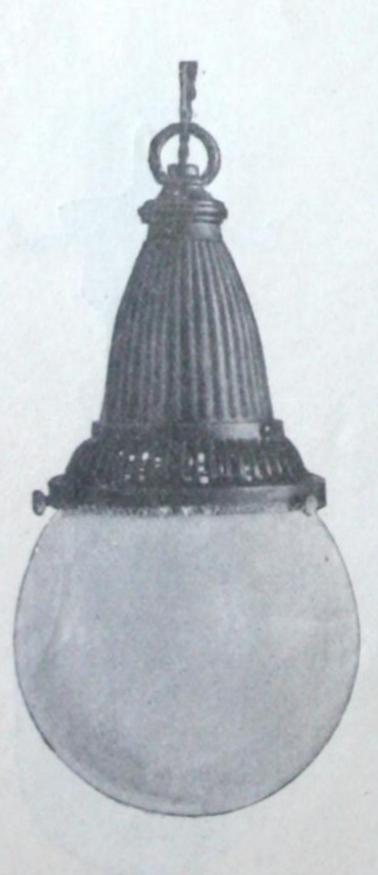
Type No.	Current Amp.	Globe or Shade.	Finish.	Price.
1000	3	F <sup>1</sup>	Dead Black	\$21.00
1005	3	F <sup>1</sup>	Bronze	21.00
1003	3	F1	Dead Black	20.00
1004	3	F1	Bronze	20.00
1001	3	F1	Dead Black	22.00
1002	3	F1	Bronze	22.00

Types 1001 and 1002 are made with a goose neck, extending 14 inches from the support.

Types 1000 and 1005 are furnished with an extension 2 feet long; every additional foot 25 cents extra.

When ordering, state type number of lamp and whether globe or shade is wanted.





#### Carbons



# Electra Carbons for Enclosed Arc Lamps

(Imported.)

#### ENCLOSED ARC.

Soft Cored Uppers.

$\frac{7}{16} \times 9\frac{1}{2} \text{ in}$ $\frac{1}{2} \times 9\frac{1}{2} \text{ in}$ $\frac{1}{2} \times 10 \text{ in}$ $\frac{1}{2} \times 12 \text{ in}$															\$6.38 7.37 7.81 8.58
						Solid	Lov	vers.							THE WISE
3 x 12, p	er 100,														
$\frac{7}{16} \times 4\frac{3}{4}$	"							Const	. 10	27 00					 \$6.27
	"														2.86
$\frac{7}{16} \times 9\frac{1}{2}$		of Lines	Jon.												5,94
$\frac{7}{16}$ x 12,	"			Series						7	1		1 1576	1449	6.60
$\frac{1}{2}$ x 5,	"							307							3.68
$\frac{1}{2}$ x 6,	"											324	1		4.40
$\frac{1}{2} \times 9\frac{1}{2}$ ,	"														
$\frac{1}{2}$ x 10,	"							1377						0.00	6.71
$\frac{1}{2}$ x 12,	"			A TOP				. 10				×	:		6.86
2 ,					0 6	1									 7.70

#### Columbia Cored Carbons for Enclosed Arcs

(Domestic.)

$\frac{1}{2} \times 12$													\$7.50
$\frac{1}{2} \times 10$													7.00
$\frac{1}{2}$ x 9	_												6.50
$\frac{1}{2}$ x 8													6.00
$\frac{7}{16}$ x 12													6.50
$\frac{7}{16}$ x 10		46	"	44			D. The						6.00
$\frac{7}{16}$ x 9	$\frac{1}{2}$	"	"	4.									5.70

#### Columbia Solid Carbons for Enclosed Arcs

			-		100,								\$7.00
. 3	X	10	"	"	"								
1	X	$9\frac{1}{2}$	"	"	"								
3	X	8	"	16	"								
1	X	6	"	"	"								
	•	12											
-	•	10											
		91											
	-						100						5.30
		12		"				150.					5.80
200	X	10	"	"	"								5.40

#### Whitney Direct and Alternating Current, Current and Potential Indicators



Diameter of Case, 81/2 inches.

When ordering for alternating current be sure to give the number of alternations of the circuits on which they are to be used. To find this, multiply the number of poles of the dynamo by the revolutions per minute.

1973						
No.		Poter	ntial	Indicat	tors.	Price.
769.	Range	30 to	75	volts,		\$15.50
770.	"	40 to	100	"		15.50
771.	"	60 to	150	"		16.50
772.	" 1	20 to	260	"		17.50
		Curi	rent	Indicat	or.	
773.	Range	5 to	25	amper	es,	15.50
774.	. "	10 to	40	"		15.50
775.	"	15 to	60	"		16.50
776.	"	20 to	100	**		16.50
777.	"	60 to	300	. "		17.50
(	Other ra	nges	mad	e to ord	der.	

#### Whitney Alternating Current Electromagnet Voltmeters and Ammeters



Diameter of Case, 8 inches.

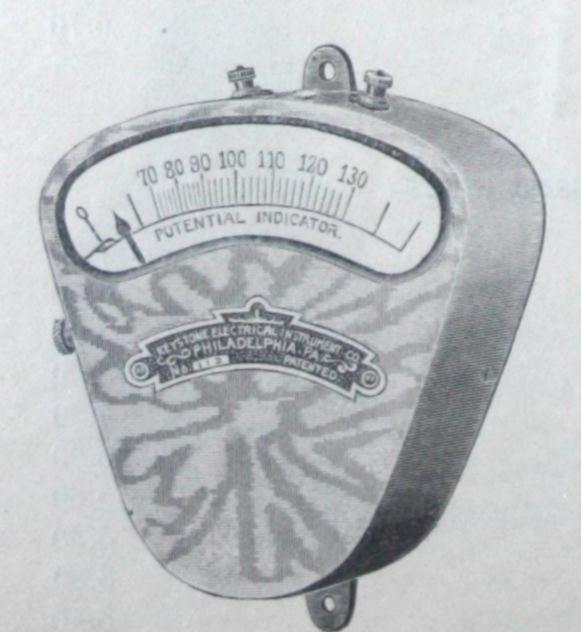
In ordering, state the number of alternations of the circuits on which instrument is to be used.

779. 10 to 100 " 2	4.00 27.50 27.50
780. 15 to 150 "	7.50
1001 200 200	00.11
781. 30 to 300 "	0.00
782. 60 to 600 "	3.00
783. 75 to 750 " 3	6.00
Ammeters.	
784. 1 to 10 amperes, 2	0.00
785. 2.5 to 25 "	0.00
786. 5 to 50 " 2	0.00
787. 10 to 100 "	20.00
788. 20 to 200 "	22.00
789. 40 to 400 "	25.00

#### Keystone Switchboard Potential and Current Indicators

80 to 400

" 100 to 500



Scale	fron	n 20	to	70	volts in	1 1	volt	divisio	ns,			8	\$20.00	
	"	70	to	130	"	2	"	"					20 00	
"		160				5							23.00	
**	"	300	to	600	" ]	10							28,00	
					Curre	nt .	Indi	cators.						
Scale	fron	n 5	to	25	amperes	i 111	1 a	mpere	divisio	ns,			20.00	
"	"	10	to	50			1	6.	"				20.00	
4.	١.	20	to	100	**		2	-4					20.50	
**	46	30	to	150	"		2		**				21.00	
**	"	40	to	200	"		5	**					21.50	
**	**	50	to	250			5		**		THE STATE OF THE S		22.00	
44	16	60	to	300	44		5						23.00	

10

23,00

25.00

27.00

Potential Indicators.

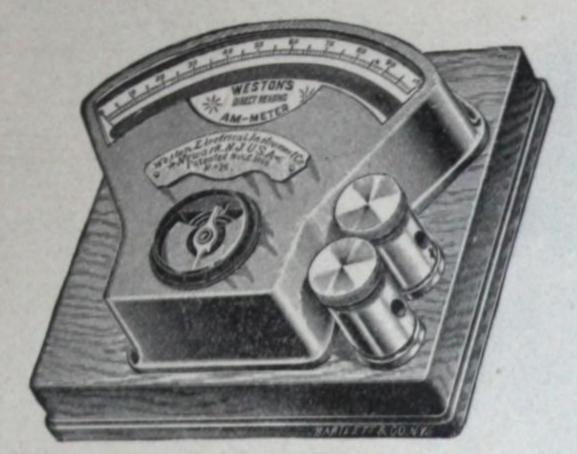
75.00

#### Weston Portable Voltmeters and Ammeters

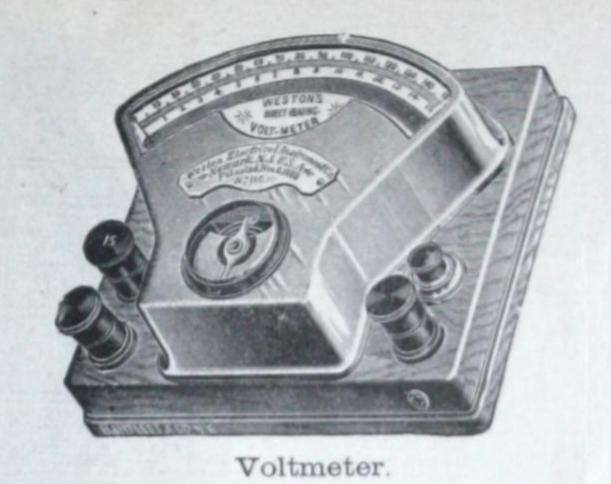
(Direct Current.)

0 to

0 "



Ammeter.



150	Volts,	1	volt div	rision	,		\$55.00
150	"	1	"	"	conta	ict	
key	and ca	ali	brating	coil,			60.00

0 " 150 Volts, 1 volt divisions, contact key, . . . . . . 0 " 5 Volts, 1 volt division, dou-

ble scale, . . .

0	to	25	Amp.,	1	Amp.	divisions,		\$65.00
0	"	50	"	$\frac{1}{2}$	"	"		65.00
0	"	100	"	1	"	"		70.00
0	"	150	"	1	"	"	100	75.00
0	"	250	"	2		"		80.00
0	"	400	"	4	"	"		90.00

# Weston Switchboard Instruments

(Direct Current.)





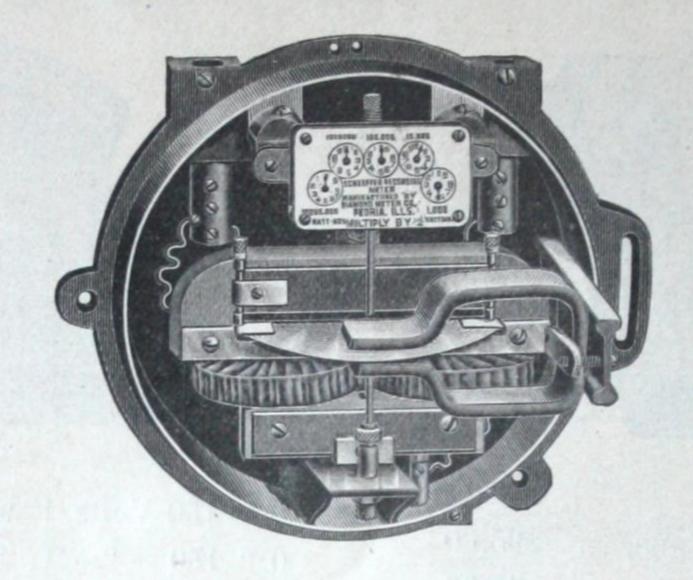
	Amn	neter						\$28.00
0 to 50 Amp.,				\$25.00	0 to 75 Volts,			\$28.00
				27.50	0 " 125 "			28,50
0 100					0 " 250 "			32.00
0 " 200 "				28.00				35.50
0 " 500 "				30.00	0 " 600 "	*		00.00



Voltmeter.

# Scheeffer's Recording Watt=Meters for Alternating Current

Lights Rated on a Basis of 50 Watts per Lamp.



			50	Volts.		Price.			10	0 to 1	10 Vo	lts.	Price.
10	Light	ts, 10 A	mpere	es, .		\$25.00	10 L	ights	, 5 A	mpere	s, .		\$27.00
15	"	15	"			30.00	20	"	10	"			30.00
20	"	20	"		٠,	34.00	30	"	15	"			33.00
25	"	25	"			35.50	40	"	20	"			41.00
30	"	30	"			37.00	50	"	25				45.00
40	"	40	"			41.00	60	"	30	"			47.00
50	"	50	"			45.00	70	"	35	"			48.00
60	"	60	"			 50.00	80	"	40	"			49.00
75	"	75	"			55.00	100	"	50	"			50.00
100	"	100	"			70.00	150	"	75	"			70.00
150	"	150	"			80.00	200	"	100	. "			80.00
300	"	300	"			110.00	300	"	150	"			100.00

Always give exact voltage and alternations in ordering.

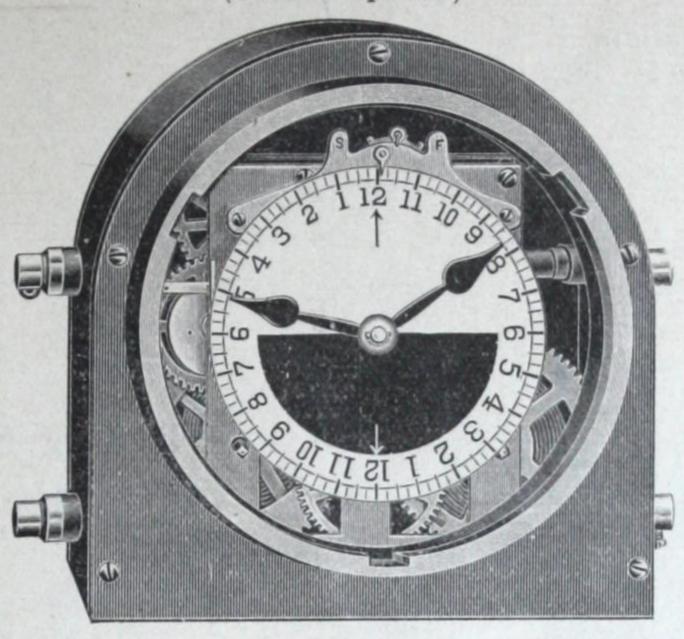
#### High=Grade Transformers

500	Watts,	10 1	Lights,			Price	5000 W	Vatts,	100	Lights,		Price. \$185.00
1000	"	20	u			60.00	6000	"	120	"		220.00
1500	"	30				80.00	7500	"	150	"		250.00
2000	"	40	"	7.1		95.00	10000	"	200	"		325.00
2500	**	50	"			110.00	12500	"	250	"		400.00
3000	"	60	"			125.00	15000	"	300	"		450.00
4000	"	80	"			155.00						

In ordering, please give alternations of machine.

#### Acme Time Switch

(Weatherproof.)



This device accomplishes two purposes, i. e., of both making and breaking the circuit. It can be set to throw current on and off at any hour of the day or night.

It has an eight day clock movement and knife blade switch of extraordinary break, operating

instantaneously.

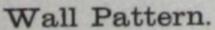
Attention needed only once a week.

Electric light companies having contracts for lighting for specified periods or individuals who desire current at stated times will find them economical and desirable.

	Made in	doub	ole an	d trip	ple po	ole.	D. P.				3 Pole.
15 A	Amp.,						\$20.00				\$25.00
25	""						22.50		 		27.50
35	"						25.00				30.00
50	"						30.00				35 00

#### Matchless Cigar Lighters







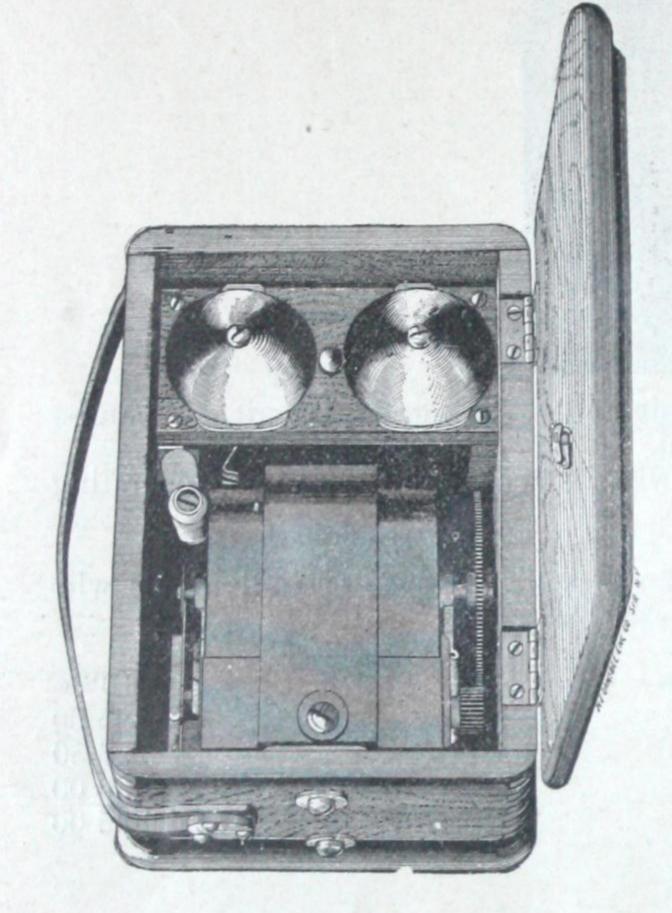
Desk Pattern.

\$6.00 \$5.00 Each, Each,

Please specify voltage and whether for direct or alternating current. Can also be furnished to work on 3 cells dry battery and spark coil.

#### Insulating Paint

Black Ins	sulating	g Paint,	per gallon,						\$1.50
	"	"							2.50



#### Testing Magnettos

(Inside Bells.)

\$6.50				Ohms,	10,000
6.75				"	15,000
7.00				"	20,000
7.50				**	25,000
8.00				"	35,000
8.50				"	50,000

# Approximate Table of Wire

B. & S. Gange No.	Circular Mills.	Concealed Work Amperes.	Open Work Amperes.	No. Lbs. to 1000 Feet Fire and Wpf.
0000	211600	210	312	895
000	167805	177	262	720
00	133079	150	220	610
0	105592	127	185	495
1	83694	107	156	380
2	66373	90	131	292
3	52634	76	110	250
4	41742	65	92	190
5	33102	54	77	160
6	26250	46	65	130
8	16509	33	40	95
10	10381	24	32	68
12	6529	17	23	381
14	4106	12	16	281
16	2583	6	8	25



